



**Halifax**

Regional Centre for Education

## **RFP #4267**

### **Finishes Upgrades Herring Cove Junior High School**

RFP Closing Date: Thursday, June 5<sup>th</sup>, 2025  
RFP Closing Time: 2:00 PM (ATL)  
Submission Email: [hrcetenders@hrce.ca](mailto:hrcetenders@hrce.ca)

Ready-for-Takeover Date: Friday August 22, 2025

HRCE Procurement Contact:  
Don Walpola, Buyer  
Tel: (902) 464-2000 Ext 2223  
Email: [dwalpola@hrce.ca](mailto:dwalpola@hrce.ca)

Operations Contact:  
Kyla Simpson, Project Manager  
Cell: (902) 802-7057  
Email: [ksimpson@cmel.ca](mailto:ksimpson@cmel.ca)

School Location:  
Herring Cove Junior High School  
7 Lancaster Drive,  
Herring Cove, NS, B3V 1J2

Mandatory Site Meeting for Bidders:  
Friday, May 23<sup>rd</sup>, at 3:00 pm  
Herring Cove Junior High School  
Please meet at School Entrance

RFP submissions will be accepted only by email to: [hrcetenders@hrce.ca](mailto:hrcetenders@hrce.ca)

RFP documents are available for download from the HRCE's Website:  
<https://www.hrce.ca/about-hrce/financial-services/tenders/tender-listing>

In the light of COVID-19 and future pandemics, all vendors are required to follow the guidelines set in place by Nova Scotia Health Authority. Potential risks such as restricted accessibility to schools and buildings of the Halifax Regional Centre for Education (HRCE), inability to complete work on a timely manner due to social distancing, disabled supply chains which will result in delivery delays of raw materials and finished goods, labour shortages and additional storage costs should be clearly communicated with the HRCE Personnel on a timely manner to ensure an amicable solution can be agreed between the HRCE and the vendor/contractor. The HRCE will not be liable for any direct or indirect loss incurred due to a pandemic.

***The Terms and Conditions of the RFP Package, including but not limited to the Contract Type and Supplementary Conditions have been modified.***

***It is the Proponent's Responsibility to review all sections of the RFP prior to submitting a Proposal/Bid.***

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09 21 16	GYPSUM BOARD ASSEMBLIES.....	7
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**HRCE HAZARDOUS BUILDING MATERIALS ASSESSMENT – PREPARED BY PINCHIN.....181 Pages**

**EMSL ASBESTOS ANALYSIS REPORT.....10 Pages**

**HERRING COVE ASBESTOS RESULTS.....2 PAGES**

**HRCE ASBESTOS MANAGEMENT PROGRAM (AMP).....40 Pages**

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HRCE HOT WORK POLICY AND PERMIT .....10 Pages

END OF DOCUMENT.....1 Pages

END OF DOCUMENT

## SECTION 00 00 15 - DESCRIPTION OF WORK & LIST OF DRAWINGS

### 1. General

- 1.1 The work of this contract includes the provision of all materials, labour, and equipment necessary to complete the **Herring Cove Junior High School Finishes Upgrades**, to remove and replace existing ceilings and lighting in corridors, remove and replace VCT floorings in the music room, library and Cafeteria, and provide upgrades to accessible entrance, and noted in drawings and specifications prepared by **SP Dumaresq Architect Ltd.** This includes the delivery and installation of Owner supplied lockers as well as the removal of hazardous materials required to complete the above work scope. Reference the Hazardous Building Material Assessment for Herring Cove Junior High School included in the Appendices.
- 1.2 It is the intent of the Halifax Regional Centre for Education (HRCE) to have all work completed, to the point of Ready-for-Takeover, prior to **August 22, 2025**. It is expected that a timely award of this contract will enable the Contractor to facilitate shop drawing review and ordering of materials to allow commencement of work immediately after contract execution.
- 1.3 The whole of the work shall agree in all particulars with the levels, measurements and details contained in the drawings accompanying this specification and with such other drawings or information as may from time to time be supplied by the HRCE or may be supplied by the Contractor and reviewed by the HRCE.
- 1.4 The HRCE **has transitioned** from the CCDC-2, 2008 contract to the **CCDC-2, 2020** contract and will use the CCDC-2, 2020 for this work. A copy of the Standard Construction Contract CCDC 2 – 2020 is available upon request and will form part of the Contract Documents.
- 1.5 The HRCE Supplementary General Conditions for the CCDC-2, 2020 applicable to this Work is available for review under Section 00 73 00 of the RFP document.
- 1.5 In relation to the hours of work: Work for the HRCE is to be completed during hours when the schools are unoccupied, unless otherwise authorized in writing by the Project Manager (Operations Contact person) or designate. Hours of work shall comply with the local ordinances and bylaws for each site. (Refer Section 00 41 13, Section 3.7)

## 2. Drawings

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A102	FLOOR PLAN – UPPER-LEVEL PLAN .....	Page 5 of 15
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A201	FLOORING PLANS .....	Page 7 of 15
A300	REFLECTED CEILING PLAN – LOWER-LEVEL PLAN .....	Page 8 of 15
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A302	REFLECTED CEILING PLAN – UPPER-LEVEL PLAN .....	Page 10 of 15
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END OF SECTION

## SECTION 00 05 00 - LIST OF CONSULTANTS

**Owner:** Halifax Regional Centre for Education  
33 Spectacle Lake Drive  
Dartmouth, NS B3B 1X7

Don Walpola, Buyer  
Office: (902) 464-2000 ext 2223  
[dwalpola@hrce.ca](mailto:dwalpola@hrce.ca)

**Prime Consultant:** SP Dumaresq Architect Ltd.  
6389 Coburg Rd. B3A2A5  
Contact: Jonathan Carmichael  
(902) 719-4682

**Electrical Design:** Dumac Energy Ltd.  
Contact: Jeff Zegray  
(902) 402-0837

END OF SECTION

## SECTION 00 21 13 – INFORMATION FOR PROPONENTS

### Invitation:

#### 1. Proposal Call

**1.1.** The Halifax Regional Centre for Education (HRCE) will receive offers in the form of a two-file proposal from proponents which is signed and electronically received on or before the date and time specified on the cover sheet of this document. The email address to submit submissions and amendments is [hrcetenders@hrce.ca](mailto:hrcetenders@hrce.ca). Both files should be submitted in Adobe (.pdf) format. If the electronic submission is larger than 20MB, proponents have the option of sharing files from google drive to [hrcetenders@gnspe.ca](mailto:hrcetenders@gnspe.ca). If you encounter difficulties kindly contact the HRCE Procurement team for further clarification.

**1.2.** Proposals received after the closing time will not be considered. The HRCE deems the submission date and time to be the email received date and time. Please ensure to allow sufficient time for your submission to be received by the HRCE before the 2pm close. Please consider that large files may require more time.

**1.3.** Proponents are to submit completed Request for Proposal (RFP) documents by email.

The technical submission electronic file should be named:

**“Technical Submission\_4267\_Proponent Name”.**

The second file (Price Submission) should be named:

**“Price Submission\_4267\_Proponent Name”.**

There must be no reference to the bid price within the technical submission.

Proponents can refer to item 11 in this section for more detailed submission instructions.

**1.4.** Proposals will be opened at the time indicated on the cover sheet of this document. Public openings are no longer held for any Tenders or RFPs relating to goods, services or construction for the HRCE. **The technical submission will be the only file opened during the RFP closing.** All proposal submissions are subject to evaluation after opening and before award of contract. The successful proponent and award amount will be posted on the Procurement Services website (<http://novascotia.ca/tenders/tenders/ns-tenders.aspx>) after award.

- 1.5. Amendments to the submitted offer will be permitted if received by email prior to bid closing and if endorsed by the same party or parties who signed and executed the offer.

If the amendment relates to the technical submission, the electronic file should be named

**“Technical Submission Amendment\_4267\_Proponent Name”.**

If the amendment relates to the price submission, the file should be named:

**“Price Submission Amendment\_4267\_Proponent Name”.**

The price amendment file submission should be the signed Price Amendment Form (Section 00 41 73) and shall not disclose either the original or revised total price.

- 1.6. Bid submissions **will not** be accepted by fax, mail, courier or hand delivery.

## 2. Intent

- 2.1. The intent of this Request for Proposals (RFP) is to obtain an offer to perform all work associated with **RFP #4267, Finish Upgrades at Herring Cove Junior High School** for a Stipulated Price Contract in accordance with the Contract Documents.
- 2.2. The HRCE will use the CCDC-2, 2020 for this work. A copy of the Standard Construction Contract CCDC 2 – 2020 is available upon request and will form part of the contract documents.
- 2.3. The HRCE Supplementary General Conditions for the CCDC-2, 2020, applicable to this work is available for review under Section 0073 00 of the RFP document.
- 2.4. Ready-for-Takeover (RFT) of the project is to be achieved on or before **August 22, 2025**, provided the contract is awarded within fifteen (15) business days after the RFP closing.
- 2.4.1. If the contract is not awarded within fifteen (15) business days of closing, the Ready-for-Takeover Date will be extended by one (1) business day, for every business day that passes, until the contract has been awarded.
- 2.4.2. Receipt of the award letter by the successful contractor does not constitute approval to begin work on site.
- 2.5. The HRCE does not guarantee the award of all areas, phases or any portion thereof.
- 2.6. The HRCE reserves the right to award individual areas or phases to one contractor or between multiple contractors.
- 2.7. The HRCE reserves the right to reduce the scope of work if the stipulated bid amount exceeds the budget for the relevant project.

### 3. Scope of work

- 3.1. Refer to Section 00 00 15 – Description of Work and List of Drawings and Section 01 11 00 Summary of Work.

### 4. Availability

- 4.1. RFP documents are available for download on the HRCE website:  
<https://www.hrce.ca/about-hrce/financial-services/tenders/tender-listing>
- 4.2. RFP documents are made available only for the purpose of obtaining offers for this project. Their use does not confer a license or grant for other purposes.
- 4.3. The HRCE is not responsible for accuracy of documents obtained from any other source.

### 5. Examination

- 5.1. RFP documents are provided to the Construction Association of Nova Scotia (CANS).
- 5.2. Upon receipt of RFP documents, proponents are to verify that documents are complete.
- 5.3. Bidders are responsible to retrieve all RFP documents from the HRCE website and fully review the RFP requirements prior to the preparation of a bid submission.

### 6. Clarification and Addenda

- 6.1. Proponents must notify the Purchasing Manager, by email at [dwalpola@hrce.ca](mailto:dwalpola@hrce.ca) no less than **five (5)** working days before the RFP Closing regarding any questions, omissions, errors or ambiguities found in the documents. If HRCE considers that correction, explanation or interpretation is necessary, an addendum will be posted on the HRCE website.
- 6.2. Addenda will be issued no less than three (3) business days before the RFP closing date and will form part of the Contract Documents.
- 6.3. All RFP information must be confirmed by written addenda. The HRCE and its representatives shall not be bound by or be liable for any representation or information provided verbally. Information obtained by any other source is not official and will not bind the HRCE.
- 6.4. Proponents are to complete Price Submission Form (section 00 41 13) acknowledging each addendum that was issued.
- 6.5. Where the HRCE publishes an Addendum modifying the terms of the posting documents, or changing the Project or Contract Documents in any manner, the HRCE shall not be liable for any expense, cost, loss, or any form of damage or damages incurred or suffered; whether directly or indirectly, by any Supplier or any other person in connection with or in any way

relating to or resulting from the publication of an Addendum, regardless of whether the publication occurs prior to or after a Supplier has submitted their bid submission.

- 6.6.** All Addenda issued by HRCE shall become part of the Contract Documents, unless specifically excluded from the Contract Documents in writing. Addenda shall be allowed for in determining the total contract price.

## **7. Product/System Options**

- 7.1.** Alternatives to specified products and systems will only be considered during the bidding period in the manner prescribed below.

**7.1.1.** Where the RFP documents stipulate a particular product, alternatives may be considered by the Consultant up to five (5) working days before the RFP closing date and time. Bidders must forward their written requests by email to [dwalpola@hrce.ca](mailto:dwalpola@hrce.ca). Requests will be forwarded to the appropriate person(s) for review.

- 7.2.** The submission must provide sufficient information to enable the Consultant to determine acceptability of such products. Request for an alternate product/system must be accompanied with:

**7.2.1.** information about how the request affects other work in order to accommodate each alternate;

**7.2.2.** the dollar amount of additions to or reductions from the Price Submission, including revisions to other work.

**7.2.3.** A later claim by the bidder for an addition to the contract price because of changes in work necessitated by use of alternates shall not be considered.

- 7.3.** When a request to substitute a product is made and pursuant to consultation with the Consultant, HRCE may approve or disapprove the substitution. The bidder making the request will be notified of the HRCE's decision and if the alternate is approved, the HRCE will issue an addendum.

- 7.4.** Alternates must be submitted in the above manner; otherwise, they will not be accepted.

## **8. Mandatory Bidders' Site Meeting (Site Assessment)**

- 8.1.** Bidders will be deemed to have familiarized themselves with the existing project site, working conditions and all other conditions which may affect performance of the Contract. No plea of ignorance of such conditions as a result of failure to make all necessary examinations will be accepted as a basis for any claims for extra compensation or an extension of time.



- 8.1.1. A mandatory bidders' site meeting has been scheduled as per the information on the cover sheet of this document. All bidders are required to attend. Representatives of HRCE and the Consultant will be in attendance.
- 8.1.2. Bidders must register their presence with the HRCE stating the name of the contractor they represent. Failure to attend and register will lead to non-acceptance of the proposal by HRCE. HRCE recommends that interested bidders ensure that their proposed subcontractors attend the mandatory site meeting.

## **9. Bidders Registration**

- 9.1. The successful contractor and sub-contractors must comply with the Nova Scotia Corporations Registration Act and/or Partnerships and Business Name Registration Act, or equivalent, before a contract is awarded.

## **10. Qualifications (Subcontractors/Other Tradespersons/Individuals)**

- 10.1. Bidders are fully responsible to the HRCE for the acts/omissions of subcontractors and of persons directly or indirectly employed or retained by them. Nothing contained in the contract documents shall create any contractual relation between any subcontractor and the HRCE. Subcontracting the contract shall not relieve the Bidder from any contractual obligations.
- 10.2. Bidders must provide subcontractors with a copy of the RFP documents making subcontractors aware that the HRCE is not responsible for any payments to subcontractors, and that all actions, directions or claims are solely between the bidder and the subcontractor.
- 10.3. The Contract, or any portion thereof, shall not be assigned nor sub-contracted without the prior written approval of HRCE, which approval may be withheld in the HRCE's sole discretion. When sub-contracting, successful bidder(s) must be prepared, if requested, to provide copies of billings from subcontractors.
- 10.4. Successful bidder(s) shall only use additional subcontractors during the course of the contract with the prior written approval of the HRCE.
- 10.5. The successful bidder(s) shall not re-assign the role of Project Manager to another individual other than the proposed Project Manager as indicated in the technical submission, without prior written approval from the HRCE.
- 10.6. The successful bidder(s) shall at all times enforce strict discipline and good order among their employees and subcontractors and shall avoid any unfit person or any person not skilled in the work assigned to the employee.

**10.7.** HRCE reserves the right to reject a proposed sub-contractor for a reasonable cause.

**10.8.** Refer to GC 3.6 of CCDC-2020.

## **11. PROPOSAL SUBMISSION**

**11.1. RFP Proposal Package - A complete proposal package is comprised of the elements below:**

### **11.2. Technical Submission and Price Submission - General**

**11.2.1.** Each proposal shall include a signed technical submission file and a signed price submission file, clearly labelled as previously instructed in Section 00 21 13, item 1.3.

**11.2.2.** Both the Technical Submission files, and the separate Price Submission file, shall be submitted simultaneously.

**11.2.3.** The Technical Submission file contents must not contain any reference to the bid price being offered for this project.

**11.2.4.** The email subject line or body must identify the name of the proponent/company and the RFP name and number.

**11.2.5.** Proponents shall be solely responsible for the delivery of their proposals in the manner and time prescribed.

### **11.3. Technical Submission Contents**

**11.3.1.** Technical submissions shall be submitted in a legible format, not to exceed 20 pages. Submissions will be on the proponent's letterhead and shall contain an authorized signature. Proposals shall be submitted in English, and shall be specifically prepared to meet the requirements of this project.

Total RFP Scoring:

Phase A – Technical Score	30 Points
Phase B – Pricing Score	70 Points
Phase C - Total RFP Score	100 Points

The technical submission response shall be organized into four sections:

Section I.	Project Experience and References
Section II.	Team Composition
Section III.	Management of Project Specific Risk
Section IV.	Schedule of Work

#### **I. PROJECT EXPERIENCE AND REFERENCES.**

The proponent is required to provide a detailed summary of their company's experience within the past sixty (60) months, by describing three (3) Roof Replacement projects for an educational/commercial institution.

These projects should be within a 100 km radius of the Halifax Regional Municipality. These projects should be similar in nature, complexity and value to the requirements specified in this RFP (see Section 00 00 15).

**If a proponent has completed projects for the HRCE, they are required to include the two most recent HRCE projects in this section (regardless of the date completed).** It is the bidder's responsibility to source HRCE project information requested in this section.

Please note if the proponent fails to include relevant HRCE projects, this will negatively impact their technical score. **If a proponent has not completed prior work (at any time) for the HRCE, then they may select projects of their choosing within the other stipulated parameters.**

> For each of the three projects listed, the proponent is asked to provide:

- 1) the company name,
- 2) a brief description of the project,
- 3) the name of the project manager,
- 4) the dollar value of the project.
- 5) A reference contact name and title for this project, and
- 6) their email and phone number.

For HRCE projects, please provide the HRCE Project Manager's name; prior consent is not required.

Please ensure that non-HRCE references are aware they will be contacted, and that prior consent to be a reference was obtained.

RFP Scoring for this section:

SECTION I. PROJECT EXPERIENCE, BASED ON REFERENCE FEEDBACK		
<b>Project 1</b>	Project met budget and schedule.	<b>2.00</b>
	Good quality work and product.	<b>1.00</b>
	Well managed project and good communications.	<b>2.00</b>
<b>Total Points Available for this Project</b>		<b>5.00</b>
<b>Project 2</b>	Project met budget and schedule.	<b>2.00</b>
	Good quality work and product.	<b>1.00</b>
	Well managed project and good communications.	<b>2.00</b>
<b>Total Points Available for this Project</b>		<b>5.00</b>
<b>Project 3</b>	Project met budget and schedule.	<b>2.00</b>
	Good quality work and product.	<b>1.00</b>
	Well managed project and good communications.	<b>2.00</b>
<b>Total Points Available for this Project</b>		<b>5.00</b>
<b>Total Points Available for Section I.</b>		<b>15.00</b>

## II. TEAM COMPOSITION.

The proponent is required to identify the key personnel who will be assigned to this project, these key personnel must remain with the project until completion. Please provide each employee's name, title/role, and years of related experience.

Proponents are required to provide a detailed resume for the proposed Project Manager outlining professional qualifications and years of experience.

Please indicate the percentage of their time that will be committed to this project.

An **example** of a time commitment for this project could be:

Commitment	Key Personnel
100%	Foreman
50%	Site Supervisor
20%	Project Manager

RFP Scoring for this section is:

SECTION II. TEAM COMPOSITION	Score
Does the Project Manager have a minimum of 3 years of relevant experience?	2.00
Was a listing of key team members provided?	1.00
Was the percentage of commitment indicated and adequate?	2.00
Total Points Available for Section II.	5.00

### III. MANAGEMENT OF PROJECT SPECIFIC RISK

Proponents shall identify a minimum of three (3) risks associated with this specific project. Risks that their company could be faced with related to the scope of work for this project. Proponents shall state the risk, risk mitigation strategy, responsible parties, and the impact to schedule or budget.

An example of a Project Specific Risk could be:

Risk Register Example			
Risk	Mitigation	Responsibility	Impact
Specified materials have long lead times.	1. Expedite delivery if available. 2. Source alternative equivalent materials that are readily available.	Contractor. Client and Consultant approval required.	Expedited delivery or alternative materials may increase cost and impact budget. Without mitigation the schedule will be impacted.

**Standard safety risks covered by Safe Work Practices are not to be referenced here. The HRCE is looking for assurances that risks identified through the mandatory site meeting are identified and will be mitigated, and that potential delays or other risks are disclosed in the proposal.**

RFP Scoring for this section is:

SECTION III. MANAGEMENT OF RISKS ASSOCIATED WITH THIS SPECIFIC PROJECT	Score
Did the proponent detail the 3 Project Specific Risks with mitigation strategies?	3.00
Are risk management responsibilities clearly identified and assigned?	1.00
Were appropriate risk impacts provided for the 3 stated risks?	1.00
Total Points Available for Section III.	5.00

#### IV. SCHEDULE OF WORK

Please provide a Gantt Chart that includes an appropriate amount of detail around the planning and scheduling needs for this project. The Gantt Chart should contain all the key activities and align with the work schedule. A successfully prepared Gantt Chart provides a clear visual representation of how the project and required tasks will be completed.

***If the Ready for Takeover Date cannot be met, please communicate this to procurement as an RFI well before RFP close.***

*The HRCE expects to award this work within 15 days of close. Please ensure that the proposed schedule of work aligns with that timeframe.*

RFP Scoring for this section is:

SECTION IV. SCHEDULE OF WORK	Score
Does the Gantt Chart include all required components? Is the schedule reasonable?	2.00
Does the schedule indicate project completion <u>before</u> the Ready for Takeover date? <i>If the Ready for Takeover date cannot be met, please submit a RFI prior to RFP close.</i>	3.00
Total Points Available for Section IV.	5.00

#### 11.4. Price Submission Contents

**11.4.1** The Price Submission is to be submitted on the forms provided by the HRCE (Section 00 41 13 – Price Submission Form). These forms are to be completed in full, with an authorized signature and corporate seal as applicable. The completed form shall be without interlineations, alterations or erasures.

Proponents are advised that the HRCE may request original documents be sent to the HRCE office for further review. Price submissions sent by fax, mail or hand delivered will not be accepted.

**11.4.2** The pricing details are to be clearly indicated. The total contract price in both numbers (dollars and cents) and written words must be entered. Should there be a discrepancy between the two, the written words shall prevail.

**11.4.1.** The executed pricing offer is to be submitted on the forms **together with a scanned copy of the required bid security** by email.

**11.4.2.** Improperly completed information, and/or irregularities in the bid security, may be cause to declare the submission non-compliant.

*The omission of bid security from the bid submission will result in the submission being deemed as non-compliant (Refer Section 14.1.10).*

## **11.5. Proposal Evaluation**

**11.5.1. Evaluation Process** – Compliant proposals will be evaluated, first during Phase A, and those meeting the minimum qualifying score under Phase A will then be evaluated in Phase B, with a final score determined in Phase C.

Phase A – Technical Score	30 Points
Phase B – Pricing Score	70 Points
Phase C - Total RFP Score	100 Points

**11.5.2.** Proposals that do not meet the minimum qualifying score for Phase A will not be given further consideration.

**11.5.3.** Proposals will be evaluated and scored by an evaluation team comprised of a minimum of three (3) representatives of the HRCE. The degree to which a proposal meets the proposal requirements will be determined at the sole discretion of the HRCE evaluation team.

**11.5.4. Phase A – Technical Submission** – The Technical Submission for compliant proposals will be evaluated using the evaluation criteria set out in the table below. Scores will be recorded for each criterion (rounded to two (2) decimal points) and a total qualifying score will be determined.

Refer 11.3.1	Phase A - Evaluation Criteria Technical Submission	Score
Section I.	Project Experience and References	15.00
Section II.	Team Composition	5.00
Section III.	Management of Project Specific Risks	5.00
Section IV.	Schedule of Work	5.00
Total Phase A - Potential total score - Technical Submission		30.00
Minimum score needed to pass technical		15.00

***A minimum qualifying score of 15.00 points is required in Phase A for the proposal to be given further consideration.***

All technical submissions that have met the minimum qualifying score will proceed to Phase B - Price Submission.

Technical submissions that score below the minimum qualifying score will not proceed further in the RFP evaluation process.

**11.5.5. Phase B - Price Submission** - Price Submission files for proponents whose Technical Submission have received fifteen (15.00) points or greater will be opened.

**The Price Submission will have a weight of seventy (70.00) points.**

Price submissions will be evaluated, and a Phase B score will be assigned to each proponent by using a proximity to lowest price method. In this method, proponents will be awarded points based on how close their total price submitted compares with the lowest cost of all total submissions.

**Price Submissions will be Evaluated based on the Proponent's Lump Sum Price.**

For example:

Formula: Price Score = % value of score x (Low bid ÷ Your bid)

Example for calculation: Bid Pricing Received

Company P	Company Q	Company R	Company S	Company T
\$115,000	\$135,000	\$185,000	\$165,000	\$180,000



**Calculation of Pricing Score for Company S:**

Phase B Score = 70 points x (\$115,000 ÷ \$165,000) = 48.79 points

**The Total Score (Phase C) will be calculated by adding together Phase A + Phase B scores.**

**11.5.6.** The proponent who has the highest **TOTAL SCORE** (Phase C calculation), will be deemed to be the successful proponent, subject to other provisions herein, including Section 16.5.

Phase A – Technical Score	30 Points
Phase B – Pricing Score	70 Points
Phase C - Total RFP Score	100 Points

**12. Conditions of the RFP Process**

**12.1.** Proponents shall take full cognizance of content of all Contract Documents in preparation of their proposal. Section 00 41 13 – Price Submission Form, Subsection 5.0 references a complete list of Contract Documents.

**13. Amendment or Withdrawal of Proposals**

**13.1.** Proposal packages may be **withdrawn** from the RFP process in writing by email notification sent to the submission email address, prior to date and time of closing.

**13.2.** As previously stated in Section 00 21 13, item 1.6 - Amendments to the submitted offer will be permitted if received by email prior to the RFP closing time and if endorsed by the same party or parties who signed and executed the offer. If the amendment relates to the technical submission, it must be labeled “Technical Submission Amendment” along with the RFP number of the project and the company name. If the amendment relates to the price submission, it must be labeled “Price Submission Amendment” along with the RFP number of the project and the company name. The price amendment file must include the signed “Price Amendment Form” (Section 00 41 73).

**13.3.** A single page Price Amendment Form is provided immediately following the Price Submission Forms (Section 00 41 73).

**13.3.1.1.** The Price Amendment Form provided is the standard master form for submission of any price amendments for this project.

**13.3.1.2.** The Price Amendment Form must be copied and completed, as directed, for any price amendments submitted.

**13.4.** Price amendments shall not disclose either original or revised total price.

#### **14. Proposal Ineligibility (Reason for Rejection)**

**14.1.** HRCE may reject a proposal which has been received prior to the closing time where:

**14.1.1.** The two file (electronic) system (Technical Submission and Price Submission) is not followed.

**14.1.2.** The price submission is not submitted on the required forms (Section 00 41 13) included herein.

**14.1.3.** The proposal is submitted by facsimile or regular mail or hand delivery.

**14.1.4.** There are omissions of information that the HRCE in its sole discretion deems to be significant.

**14.1.5.** The technical submission or price submission form is not signed as required.

**14.1.6.** The proposal has conditions attached which are not authorized by the invitation to bid.

**14.1.7.** The proposal fails to meet one or more standards specified in the invitation to bid.

**14.1.8.** All addenda have not been acknowledged.

**14.1.9.** Any other defect which, in the opinion of the HRCE brings the meaning of the proposal into question.

**14.1.10.** The required bid security is not provided within the Price Submission file.

**14.1.11.** Proponent failed to attend bidders' mandatory site meeting.

**14.1.12.** Proponent failed to list relevant HRCE project(s) in their Technical submission.

#### **15. Communications Affecting Bids**

**15.1.** Transmissions, including, but not limited to facsimile transmission:

**15.1.1.** The technical submission or price submission forms submitted by mail, fax or courier will not be accepted.

#### **16. Right to Accept or Reject any Proposal**

**16.1.** The HRCE reserves the right to reject any proposal in its sole and absolute discretion for any reason whatsoever and the HRCE will not necessarily accept the lowest bid.

- 16.2.** The HRCE specifically reserves the right to reject all proposals if none are considered to be satisfactory in the HRCE's sole and absolute discretion and, in that event, at its option, to call for additional proposals.
- 16.3.** Without limiting the generality of any other provision herein, the HRCE reserves the right to accept or reject any proposal in accordance with item #14 above (Proposal Ineligibility).
- 16.4.** Notwithstanding the above, the HRCE shall be entitled, in its sole and absolute discretion, to waive any irregularity, informality or non-conformance with these instructions in any proposal received by the HRCE. The HRCE reserves the right to reject any or all proposals, or to accept any proposal, or portion thereof, deemed in its best interest.
- 16.5.** In the event that more than one proponent achieves an identical final total score within two decimal places in Phase C, the HRCE will flip a coin to determine the successful contractor.
- 16.6.** No term or condition shall be implied, based upon any industry or trade practice or custom or in a practice or policy of the HRCE or otherwise, which is inconsistent or conflicts with the provisions contained in these instructions.

## **17. Right to Cancel Competition/No Award**

- 17.1.** Issuing a RFP/RFT implies no obligation on HRCE to accept any submission, or a portion of any submission. The lowest or any RFP/RFT submission will not necessarily be accepted.
- 17.2.** Without limiting the generality of the foregoing, an RFP/RFT may be cancelled in whole or in part by HRCE in its sole discretion, whether before or after the time for RFP/RFT submissions has closed, when:
  - 17.2.1.** The RFP/RFT submission price exceeds the funds allocated for the purchase;
  - 17.2.2.** There has been a material change in the procurement requirements after the RFP/RFT has been issued;
  - 17.2.3.** Information has been received by HRCE after issuance of the RFP/RFT that HRCE believes has materially altered the procurement or the need of HRCE for the procurement; or
  - 17.2.4.** There was insufficient competition in order to provide the level of service, quality of goods or pricing required.
- 17.3.** If no compliant RFP/RFT submission is received in response to an RFP/RFT, the HRCE reserves the right to enter into negotiations with one or more suppliers in order to complete the procurement or to reject all Bids and re-issue the RFP/RFT on new or modified RFP/RFT Documents.
- 17.4.** HRCE will be the sole judge of whether there is sufficient justification to cancel any RFP/RFT.
- 17.5.** No action or liability will lie or reside against HRCE in its exercise of its rights under this section

## 18. Construction Contract Guidelines

- 18.1.** The printed policies of the Nova Scotia Construction Guidelines dated May 18, 2006 (or latest revisions) are applicable to these RFP documents.

## 19. Submission and Security Forms – Signatures

- 19.1.** All Price Submission forms, bid security forms and performance assurance forms **must** bear the Bidder's original signature and name HRCE as the insured.

## 20. Bid Security

- 20.1.** Proponents must submit within the sealed Price Submission file, one of the following: bid security in the form of a certified cheque, Irrevocable Letter of Credit, or Bid Bond on CCDC Form 220, in the amount of ten percent (10%) of the Bid Price made payable to or naming HRCE (as obligee). This bid security **must** accompany the Price Submission as an electronic file. HRCE will request an original hard copy from the successful proponent as required.
- 20.2.** Where bid bond is provided as bid security:
- 20.2.1.** The bond must be provided on the standard CCDC Bid Bond Form (latest version) in the amount of not less than ten percent (10%) of the Bid Price.
  - 20.2.2.** The bond must be submitted by the general contractor bidder, signed and sealed by the principal (Contractor) and Surety and shall be with an established Surety Company satisfactory to and approved by the HRCE.
  - 20.2.3.** The cost of providing the Bid Bond must be included in the Bid Price.
  - 20.2.4.** A legible scanned copy of the bid bond or an electronic bid bond shall be submitted with the bid via email. If requested by the HRCE, the vendor will provide the original bid bond without delay.
- 20.3.** Where a certified cheque or a bank draft is provided as bid security:
- 20.3.1.** The certified cheque or bank draft must be endorsed in the name of HRCE, for a sum not less than ten percent (10%) of the amount of the Bid Price.
  - 20.3.2.** The cost of providing the certified cheque or bank draft must be included in the Bid Price.

**20.4.** Where the Irrevocable Standby Letter of Credit is used as bid security:

- 20.4.1.** The letter must be endorsed in the name of HRCE, for a sum not less than ten percent (10%) of the Bid Price
- 20.4.2.** The Irrevocable Standby Letter of Credit shall be issued by a certified financial institution subject to the Uniform Custom and Practices for Documentary Credit (1993 revision or latest revision), International Chamber of Commerce (Publication No. 500).
- 20.4.3.** The cost of providing the letter must be included in the Bid Price.
- 20.4.4.** **A legible scanned copy of the bid bond or an electronic bid bond can be submitted with the bid via email. If requested by the HRCE, the vendor is required to provide the original bid bond without delay.**

**20.5.** Return of Bid Security:

- 20.5.1.** The bid security of the unsuccessful proposers will be returned to them after the contract has been signed, or previous to such time, at the discretion of HRCE.
- 20.5.2.** If no contract is awarded, all bid security will be returned.

**21. Contract Security (Performance Assurance) – Required for contracts valued over \$100,000**

- 21.1.** The performance assurance forms must bear the bidder's original signature and name HRCE as the insured.
- 21.2.** The successful contractor shall maintain performance assurance in force for a period of not less than twelve (12) months after Ready-for-Takeover is achieved.
- 21.3.** Performance Assurance must be endorsed as specified for bid security.
- 21.4.** Should it become apparent that the final cost of the project will exceed the total amount payable by more than 20%, the bidder shall arrange to have their bonds reissued based on the projected final cost.
- 21.5.** Section 00 72 13 – General Conditions GC11.2 and Section 00 73 00 – Supplementary General Conditions for form of Contract Security. Proposers should reference the project documents for the amount of Contract Security and the alternate type of Contract Security if applicable.
- 21.6.** Performance Assurance must be submitted as one of the following:
  - 21.6.1.** Where a Bid Bond was used as bid security:
    - 21.6.1.1.** Within ten (10) days after notification of award of the Contract, the successful contractor must provide a Performance Bond and a Labour & Material Payment Bond, each in an amount equal to fifty percent (50%) of the amount of the Contract, naming HRCE.
    - 21.6.1.2.** Performance Bond and Labour and Material Payment Bonds, submitted by the bidders, shall be provided at the expense of the

bidder and shall be with an established Surety Company satisfactory to and approved by the HRCE.

**21.6.2.** Where a certified cheque or bank draft is used as Contract Security:

- 21.6.2.1.** The certified cheque or bank draft submitted during the bid period will be cashed and the amount retained by the HRCE shall serve as Performance Assurance, including the payment of all obligations arising under the Contract.
- 21.6.2.2.** The value of the certified cheque or bank draft will be retained in lieu of the Performance Bond and Labour and Material Bonds, providing that, at Contract award, the successful contractor shall supplement their certified cheque or bank draft to maintain an amount of ten (10%) of the total amount payable (Contract Price plus HST) under the contract.
- 21.6.2.3.** The amount remaining will be returned without interest after a period of not less than twelve (12) months after Ready-for-Takeover is achieved.
- 21.6.2.4.** Where certified cheque or bank draft is used as Performance Assurance, the cost of providing the certified cheque or bank draft in the Contract price.

**21.6.3.** Where an Irrevocable Standby Letter of Credit is used as Contract Security:

- 21.6.3.1.** The Irrevocable Standby Letter of Credit submitted during the bid period will be retained by the HRCE and shall serve as performance assurance, including the payment of all obligations arising under the contract. The Irrevocable Standby Letter of Credit shall be issued by a certified financial institution subject to the Uniform Customs and Practices for Documentary Credit (1993 revision) International Chamber of Commerce (Publication No. 500).
- 21.6.3.2.** Where an Irrevocable Standby Letter of Credit is used as Performance Assurance, the cost of providing this letter should be included in the Contract Price. The contractor shall provide to the HRCE documentation throughout the duration of the contract that the Irrevocable Standby Letter of Credit remains in full effect at all times as specified.
- 21.6.3.3.** Upon expiry of the Irrevocable Standby Letter of Credit, a separate Irrevocable Standby Letter of Credit shall be provided for work

requiring extended warranties for such amounts as are required by the contract.

- 21.6.3.4.** The Irrevocable Standby Letter of Credit is to be in effect for a period of not less than twelve (12) months after the Ready-for-Takeover is achieved.

## **22. Insurance**

- 22.1.** Proponents shall refer to project documents for the amount of insurance, the duration of coverage and alternate type of insurance; if applicable.

Section 00 72 13 -General Conditions of Contract,  
Section GC 11.1 – Insurance, and  
Section 00 73 00 – Supplementary General Conditions for form of Insurance.

- 22.2.** The contractor shall carry such insurance as is required to protect the contractor, any sub-contractor, the HRCE, their agents and employees from all claims which may arise from the operations under this contract. The amounts of such insurance shall not be less than 22.3 below.

- 22.3.** The General Contractor shall secure and maintain, at its expense, during the term of the insurance:

- 22.3.1.** Wrap-Up Liability insurance must insure the general contractor(s) and all sub-contractors on this project:

- 22.3.1.1.** including but not limited to, products liability and completed operations, contractual liability, owners and contractors' liability, attached machinery extension endorsement, and independent contractor, for a combined single limit of no less than \$5,000,000 (five million dollars) per occurrence.

- 22.3.1.2.** Wrap-Up Liability insurance is to include 24 months (2 years) of completed operations.

- 22.3.2.** Commercial Auto Liability insurance covering all owned, non-owned and hired vehicles for a minimum combined single coverage of \$2,000,000 (two million dollars) per occurrence.

- 22.3.3.** Builders Risk: All risks in the amount of the contract Stipulated Bid Price. Insurance requirements as stipulated in the CCDC 2-2020.
- 22.3.4.** Workers' Compensation to meet statutory requirements and/or Employers Liability, with limits of not less than \$2,000,000 (two million dollars).
- 22.3.5.** Contractors Pollution Liability Insurance limits of not less than \$2,000,000 (two million dollars) per occurrence
- 22.4.** Primary Insurance: The Contractor agrees that the insurance as required shall be primary and non-contributory.
- 22.5.** No Limitation: The Contractor is responsible for determining whether the minimum insurance coverage amounts contained in this RFP are adequate to protect its interests. These minimum coverage amounts do not constitute limitations upon Supplier's Liability.
- 22.6.** Endorsements – For the policies in item 22.3 above, there shall contain an endorsement naming the Halifax Regional Centre for Education and its affiliates as Additional Insured, and eliminating and removing any exclusion of liability for:
- 22.6.1.** injury, including bodily injury and death to an employee of the insured or of the Halifax Regional Centre for Education, or
- 22.6.2.** any obligation of the insured to indemnify, hold harmless, defend, or otherwise make contribution to the Halifax Regional Centre for Education because of damage arising out of injury, including bodily injury and death, to an employee of Halifax Regional Centre for Education.
- 22.7.** The Contractor shall provide a certificate of insurance evidencing the above prior to work being performed. The HRCE also requires a complete copy of the Builder's Risk and Wrap-Up Liability policies, in addition to the Certificate of Liability Insurance.
- 22.8.** Furthermore, HRCE must receive, in writing, at least thirty (30) days' notice of cancellation or modification of the above insurances. All insurance policies or certification documents shall specify coverage being applicable to this contract. The Contractor shall not do or omit to do or suffer anything to be done or omitted to be done which will in any way impair or invalidate such policy or policies of insurance.
- 22.9.** Insurance documents (certificate and policies) shall be provided to the Purchasing Department within the timeframe indicated on the award letter. These documents are



required before a purchase order will be issued. Work is not authorized and shall not commence until receipt of the purchase order.

### **23. Proof of Competency of Proponent**

**23.1.** Any bidder may be required to furnish evidence satisfactory to the owner that he and his proposed sub-contractors have sufficient means and experience in the types of work called for to assure completion of the contract in a satisfactory manner.

**23.1.1.** The successful contractor must be a member in good standing with CRCA, RCANS or NBRCA; and Nova Scotia Construction Safety Association or approved recognized association or program.

### **23.2. Proposal Signing**

**23.2.1.** The Technical Submission and the Price Submission form must be signed and under seal (as applicable) by a duly authorized signing officer(s) in their normal signatures.

### **23.3. Contract Time**

**23.3.1.** The bidder, in submitting an offer, agrees to achieve Ready-for-Takeover of the work by the date indicated in the contract documents.

## **24. Offer Acceptance / Rejection**

### **24.1. Duration of offer**

**24.1.1.** Proposals shall remain open to acceptance and shall be irrevocable for a period of ninety (90) days after the RFP closing date.

### **24.2. Award/Selection/Acceptance of Offer**

**24.2.1.** In the evaluation of a proposal, HRCE will consider, but not be limited to, the following criteria:

**24.2.1.1.** Compliance with proposal requirements

**24.2.1.2.** Proposal Evaluation Criteria as stated in Section 11.5

**24.2.2.** The Owner's evaluation of any and all proposals will be final

**24.3.** After acceptance by HRCE, the successful bidder shall be notified in writing of acceptance of the bid by way of an award letter.

## **25. Agreement**

- 25.1.** After acceptance, the HRCE and the successful proponent will enter into a CCDC-2, standard form of contract for the execution of the work.
- 25.2.** A purchase order will be issued to the successful bidder once the contract has been signed and executed.

## **26. Post Award Submissions**

- 26.1.** Upon receipt of the award letter, the successful contractor will provide the following documents within five (05) business days:

- 26.1.1.** A current Certificate of Recognition or Letter of Good Standing - The Contractor will supply a Certificate of Recognition issued jointly by the Workers' Compensation Board of Nova Scotia and an occupational health and safety organization approved by the Workers' Compensation Board of Nova Scotia (such as the Nova Scotia Construction Safety Association). These approved organizations are currently listed on the Workers' Compensation Board of Nova Scotia website ([www.wcb.ns.ca](http://www.wcb.ns.ca)). The contractor shall remain in good standing for the duration of the contract.

The Contractor shall supply the following:

- 26.1.1.1.** Worker's Compensation Coverage – The Contractor shall supply a clearance letter from the Worker's Compensation Board of Nova Scotia, indicating the Contractor is assessed and in good standing;
- 26.1.1.2.** Certificates of good standing with CRCA (Canadian Roofing Contractors Association) and RCANS (Roofing Contractors Association of Nova Scotia);
- 26.1.1.3.** All required contract security and insurance documentation;
- 26.1.1.4.** A completed Schedule of Values (see Section 01 37 00);
- 26.1.1.5.** A completed Safety Plan; and,
- 26.1.1.6.** A detailed listing of subcontractors to be used.
- 26.1.2.** In the event that any such certification during the term of the contract expires, the obligation remains with the Contractor to provide the updated required certificates.
- 26.1.2.1.** The Contractor and subcontractors (if applicable) shall remain in good standing for the duration of the contract.

## 27. Taxes

- 27.1. The General Conditions of the Contract state that the Contractor is to pay all Harmonized Sales Tax (HST).
- 27.2. The HRCE is not exempt from HST. As a result, the aggregate amount of the bid for contracts is subject to HST; however, **prices submitted shall not include HST.**
- 27.3. The HST payable by the HRCE will be added as a separate item during the processing of progress payments and therefore **HST will not appear as a cost in the aggregate amount of the bid amount.**
- 27.4. Proponents are advised that they may be eligible to claim an Input Tax Credit (ITC) for a portion of the HST paid in relation to the contract requirement of the Government of Canada.
- 27.5. Proponents are to note that prices indicated on the Price Submission Form and the amendments to the Price Submission Form shall not include Provincial Sales Taxes, the Federal Goods and Services Tax or the Harmonized Sales Tax.
- 27.6. Refer to CCDC-2 (Section 00 72 13) and Supplementary General Conditions (Section 00 73 00).

## 28. Proponent Debriefing

- 28.1. HRCE will, if requested by a proponent within fifteen (15) days of notice of RFP award, arrange a debriefing for the purpose of informing the bidder why their proposal was not selected. At least two (2) HRCE staff shall attend the de-briefing.

The purpose of the de-briefing will be to discuss the proponent's scoring, answer questions and identify any weak areas in the proponent's submission in order for the proponent to improve future bid submissions. HRCE will not divulge details contained in any proponent's proposal with other proponents or overall ranking.

## 29. Purchase Orders

- 29.1. The purchase order will be issued by the HRCE Purchasing Department once the CCDC-2 Contract Documents have been fully executed by all parties.

**30. Invoices**

- 30.1.** The purchase order number and HST number shall be noted on any/all invoices related to all work performed under this contract.
- 30.2.** Applications for progress payments should be submitted to HRCE's consultant and cc'd to [operations-invoices@hrce.ca](mailto:operations-invoices@hrce.ca) as well as HRCE's Project Manager (Operations Contact) identified on the RFP cover page.

**END OF SECTION 00 21 13**

## SECTION 00 41 13 – PRICE SUBMISSION FORM

### 1. Salutation:

**To:** HALIFAX REGIONAL CENTRE FOR EDUCATION  
33 SPECTACLE LAKE DRIVE, DARTMOUTH, NS B3B 1X7  
ATTN: Don Walpola, Buyer

**For:** *RFP#4267* Finishes Upgrades– Herring Cove Junior High School

Organization Name:	
Street Address:	
Email Address:	
Telephone:	
Authorized Signing Authority:	
Position Title:	

### 2. Proponent Declares:

- 2.1. That this submission was made without collusion or fraud.
- 2.2. That the proposed work was carefully examined.
- 2.3. That the Proponent is familiar with local conditions.
- 2.4. That Contract Documents and Addenda were carefully examined.
- 2.5. That all the above were taken into consideration in preparation of this RFP.

### 3. Proponent Agrees:

- 3.1. To provide all necessary equipment, tools, labour, incidentals and other means of construction to do all the work and furnish all the materials of the specified requirements which are necessary to complete the work in accordance with the Contract and agrees to accept, therefore, as payment in full the Lump Sum Price stated in Subsection 6 hereunder.

- 3.2. The have carefully examined the site of the work described herein; have become familiar with local conditions and the character and the extent of the work; have carefully examined every part of the proposed Contract and thoroughly understand its stipulations, requirements and provisions.
- 3.3. The have determined the quality and quantity of materials required; have investigated the location and determined the source of supply of the materials required; have investigated labour conditions; and have arranged for the continuous prosecution of the work herein described.
- 3.4. To be bound by the award of the Contract and if awarded the Contract on this bid price, to execute the required contract within ten (10) days after notice of award.
- 3.5. They have noted that the Harmonized Sales Tax is excluded from the "Contract Price".
- 3.6. The Contractor's employees shall always report to the main office of a school, indicate who they are, and state their purpose on site prior to starting any work in the school.
- 3.7. ***To the hours of work, defined as: Work for the HRCE is to be completed during hours when schools are unoccupied, unless otherwise authorized in writing by the Project Manager (Operations Contact person) or designate. Hours of work shall comply with local ordinances and bylaws for each site.***
  - 3.7.1. No work shall be conducted on weekends or statutory holidays without specific written approval from the Operations Manager or designate.
  - 3.7.2. In the event that work is requested by HRCE during hours when schools are occupied, the work will be limited to work that is not disruptive to the school. There shall be no mechanical removals, no drilling, screwing or torch work during occupied hours without prior written approval from HRCE.

#### 4. Owner Agrees

- 4.1. To examine this proposal and in consideration, therefore, the proponent hereby agrees not to revoke this bid:
  - 4.1.1. until some other proponent has entered into the Contract with the HRCE for the performance of the work and the supply of the materials specified in the notice inviting proposals; or in the Information to Proponents, or
  - 4.1.2. until ninety (90) days after the time fixed in the Information to Proponents for receiving bids has expired, or
  - 4.1.3. Whichever first occurs; provided, however, that the Proponent may revoke this proposal at any time before the time fixed as indicated in the section 00 21 13, item 13.1.

**5. Contract Documents include:**

The HRCE will use the CCDC-2, 2020 for this work. A copy of the Standard Construction Contract CCDC 2 – 2020 is available upon request and will form part of the Contract Documents.

The HRCE Supplementary General Conditions for the CCDC-2, 2020 application to this Work is available for review under Section 0073 00 of the RFP document.

- 5.1.1.** Cover Page
- 5.1.2.** Table of Contents – Section 00 00 10
- 5.1.3.** Description of Work & List of Drawings – Section 00 00 15
- 5.1.4.** List of Consultants – Section 00 05 00
- 5.1.5.** Information for Proponents – Section 00 21 13
- 5.1.6.** Price Submission Form – Section 00 41 13
- 5.1.7.** Price Amendment Form (if applicable) – Section 00 41 73
- 5.1.8.** Agreement Between Owner and Contractor (CCDC 2) – Section 00 52 00
- 5.1.9.** Definitions (CCDC 2) – Section 00 52 13
- 5.1.10.** General Conditions of the Stipulated Contract Price (CCDC 2) – Section 00 72 13
- 5.1.11.** Supplementary General Conditions – Section 00 73 00
- 5.1.12.** Specifications of Work (all applicable sections)
- 5.1.13.** Drawing(s) – as applicable
- 5.1.14.** Addenda issued by HRCE
- 5.1.15.** Post Bid Addenda issued by the HRCE, where applicable.
- 5.1.16.** Executed Contract

**6. Price Submission - Contract Price:**

- 6.1.** The undersigned Proponent, having carefully read and examined the aforementioned Contract Documents prepared by the Consultant, for the Halifax Regional Centre for Education, hereby accepts the same as part and parcel of the Contract herein referred to, and having carefully examined the locality and site of works and having full knowledge of the work required and of the materials to be furnished and used, does hereby propose and offer to enter into a contract to perform and complete, the whole of the said works and provide all necessary labour, plant, tools, materials and equipment and pay all applicable taxes, as set forth and in strict accordance with the Specifications, Drawings and other Contract Documents and to do all therein called for on the terms and conditions and under the provisions therein set forth for the following:

## 6.2 LUMP SUM PRICE

### RFP#4267 Finishes Upgrades – Herring Cove Junior High School

\_\_\_\_\_ /100 Dollars (\$\_\_\_\_\_)  
(HST Excluded)

*Contract Price to be completed in written form on the lines provided above, with cents expressed as numerical fraction of a dollar. Contract price to be completed in numerical form on the line bounded by parenthesis above, with cents expressed as a decimal of a dollar.*

Price Submissions will be Evaluated based on the Proponent's Lump Sum Price.

**WHERE THERE IS A CONFLICT, WRITTEN WORD WILL GOVERN.**

Award will be subject to Budget Availability.

The HRCE reserves the Right to:

Award to one or more contractors who bid.

Accept bids on any or all sections of this work.

Reduce the Scope of Work if the Bid amount Exceeds the Available Budget.

## 6.3 INDIVIDUAL PRICE – EACH IDENTIFIED SECTION

The lump sum price provided in Section 6.2 represents the total price to complete this project in its entirety. The HRCE acknowledges that there are inherent costs savings and economies of scale achieved when awarding all roof sections to a single bidder.

In the event that partial award is required, please provide pricing per each individual section as listed below. Each price is to include all management costs (administration, mobilization, etc.) as required to perform the entirety of the work for that specific section. The HRCE acknowledges that management costs are higher on a per section basis, compared to management costs associated with all sections priced as one lump sum.



The expectation is that the pricing provided below represents the entire price to complete that specific section, should it be the only section awarded. The pricing provided here will not be used in the calculation of the RFP scoring, see Section 6.2 Lump Sum Price.

**SEPARATE PRICE SECTION 1 – Corridor Finishes & Lockers**

\_\_\_\_\_/100 Dollars (\$\_\_\_\_\_)   
(HST Excluded)

**SEPARATE PRICE SECTION 2 – VCT Flooring Replacement**

\_\_\_\_\_/100 Dollars (\$\_\_\_\_\_)   
(HST Excluded)

**SEPARATE PRICE SECTION 3 – Accessible Entrance Upgrades**

\_\_\_\_\_/100 Dollars (\$\_\_\_\_\_)   
(HST Excluded)

**SEPARATE PRICE SECTION 4 – Ceiling and light upgrades in stairwells**

\_\_\_\_\_/100 Dollars (\$\_\_\_\_\_)   
(HST Excluded)

**SEPARATE PRICE SECTION 5 – Full Abatement of Corridor Ceilings**

[note testing is currently in progress]

\_\_\_\_\_/100 Dollars (\$\_\_\_\_\_)   
(HST Excluded)

**7. Completion Date:**

**7.1.** The proponent agrees to achieve Ready-for-Takeover on or before the following date:

#### 7.1.1.1. August 22, 2025

7.1.1.2. The undersigned Proponent agrees, if awarded the Contract, to achieve the Ready-for-Takeover Date providing the contract is awarded within fifteen (15) business days of RFP closing time.

## 8. Addenda Acknowledgement

We have received and noted the following addenda:

[illegible]

**Signature** \* The undersigned Proponent declares that this bid is made without connection to any other person(s) submitting pricing for the same work and is in all respects fair and without collusion or fraud.

**RFP #4267 Finishes Upgrades – Herring Cove Junior High School**

**SIGNATURE:**

SIGNED AND DELIVERED  
in the presence of:

**CONTRACTOR**

\_\_\_\_\_  
Company name

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Signature of Signing Officer

\_\_\_\_\_  
Name and Title (printed)

\_\_\_\_\_  
Date

## 9. Acknowledgement of Student Safety

The Halifax Regional Centre for Education (HRCE) is directly responsible for the safety of its students and staff. Should contractors be required to work in or on school property while children are present, it is a **mandatory HRCE requirement** that contractors assign the work to employees and/or sub-contractors who do not have a criminal record and who are not listed on the Child Abuse Registry. Failure to comply with this requirement may result in immediate contract termination.

The HRCE reserves the right to demand, at any time, during the full term of the project a Criminal Record Check and/or a Child Abuse Registry Check, on any personnel authorized by the Contractor to be on HRCE work/school sites.

**By signing below, you are confirming that you understand and will abide by this mandatory HRCE requirement.**

\_\_\_\_\_  
Company name

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Signature of Signing Officer

\_\_\_\_\_  
Name and Title (printed)

\_\_\_\_\_  
Date

**END OF SECTION 00 41 13**

**SECTION 00 41 73 - PRICE AMENDMENT FORM**  
**#4267 Finishes Upgrades**  
**Finishes Upgrades**

**Note:** to be completed and forwarded for each Price amendment prior to RFP closing time and date as detailed on the cover sheet of the RFP document and any applicable addenda.

**Lump Sum Price Amendment – Section 00 41 13 Price Submission form, Article 6.1. Contract Price**

Increase Price by		Decrease Price By	
Amount (excluding HST)	\$	Amount (excluding HST)	\$

**It is the Proponent's responsibility to ensure the table above is legible.**

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**Submitted by:**

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**Company Name** (please print as it appears on original RFP file)

---

**Authorized Proponent's Name** (please print as it appears on Price Submission Form)

---

**Authorized Proponent's Signature**

---

**Date**

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**END OF SECTION 00 41 73**

**SECTION 00 52 00 - AGREEMENT BETWEEN OWNER AND CONTRACTOR**  
*CCDC 2 – 2020*

(A copy of Section 00 52 00, Standard Construction Contract CCDC 2 – 2020 (5 pages) is available upon request, otherwise, will form part of the contract sets to the successful bidder)

END OF SECTION 00 52 00

**SECTION 00 52 13 - DEFINITIONS**  
*CCDC 2 - 2020*

(A copy of section 00 52 13, Standard Construction Contract CCDC 2 – 2020 (2 pages) is available upon request, otherwise, will form part of the contract sets to the successful bidder)

END OF SECTION 00 52 13

**SECTION 00 72 13 - GENERAL CONDITIONS**  
*OF THE STIPULATED PRICE CONTRACT*  
*CCDC 2 - 2020*

(A copy of section 00 72 13, Standard Construction Contract CCDC 2 – 2020 (22 pages) is available upon request, otherwise, will form part of the contract sets to the successful bidder)

**END OF SECTION 00 72 13**



## SECTION 00 73 00 - SUPPLEMENTARY GENERAL CONDITIONS CCDC2 – 2020

The Canadian Standard Construction Document for Stipulated Price Contract (CCDC 2, 2020 version), Definitions and General Conditions governing same, shall be used by the project. The following Supplementary General Conditions (the “**Supplementary Conditions**”) are intended to Supplement or Amend the General Conditions, and where conflicts occur, the Supplementary Conditions shall take precedence.

Where a General Condition or paragraph of the General Conditions of the Stipulated Price Contract is Deleted by these Supplementary Conditions, the numbering of the remaining General Conditions or paragraphs shall remain unchanged, and the numbering of the Deleted item will be retained, unused.

### 2 ARTICLE A-5 PAYMENT

Change 5.2.1 to delete the letter “s” from the word “rates”.

Change 5.2.1(1) to read: "1% per annum above the prime rate."

Delete 5.2.1(2) in its entirety.

Delete 5.2.2. in its entirety.

### DEFINITIONS

Add the following defined term to the Definitions:

#### Submittals

Submittals are documents or items required by the Contract Documents to be provided by the Contractor, such as:

1. Shop Drawings, samples, models, mock-ups to include details or characteristics, before the portion of the Work that they represent can be incorporated into the Work; and
2. As-built drawings and manuals to provide instructions to the operation and maintenance of the Work.

### 3 GC 1.1 CONTRACT DOCUMENTS

Add to the end of subparagraph 1.1.6.2:

1.1.6.2 Except where the Consultant shall be indemnified as a third party beneficiary as provided in subparagraphs 9.2.7.4, 9.5.3.4 and in 13.1.1.3.

Add subparagraph 1.1.4.1:

1.1.4.1 Notwithstanding GC 1.1.4, should one or more conflict exist between Contract Documents and any work is done without consulting the Consultant for correction, Additional information, or a finding, the Contractor shall assume full and sole responsibility for any Additional costs incurred related to the conflict(s).

#### **4 GC 2.4 DEFECTIVE WORK**

Add new subparagraphs 2.4.1.1 and 2.4.1.2:

2.4.1.1 The Contractor shall rectify, in a manner acceptable to the Owner and the Consultant, all defective work and deficiencies throughout the Work, whether or not they are specifically identified by the Consultant.

2.4.1.2 The Contractor shall prioritize the correction of any defective work which, in the sole discretion of the Owner, adversely affects the day to day operation of the Owner.

#### **5 PART 3 EXECUTION OF THE WORK**

##### **6 GC 3.1 CONTROL OF THE WORK**

Add new paragraphs 3.1.3 and 3.1.4:

3.1.3 Prior to commencing individual procurement, fabrication, and construction activities, the Contractor shall verify, at the Place of the Work, all relevant measurements and levels necessary for proper and complete fabrication, assembly and installation of the Work and shall further carefully compare such field measurements and conditions with the requirements of the Contract Documents. Where dimensions are not included or contradictions exist, or exact locations are not apparent, the Contractor shall immediately notify the Consultant before proceeding with any part of the affected work.

3.1.4 The Contractor shall make all reasonable efforts to ensure that the Work is carried out in a continuous manner. The Contractor shall not knowingly permit Construction Equipment and/or Products to be stored at the Place of Work when they are not being used in connection with or implemented into the Work, except in accordance with paragraph 3.7.7.1.

##### **7 GC 3.6 SUBCONTRACTORS AND SUPPLIERS**

Add the following paragraph 3.6.7:

3.6.7 A copy of the agreement between Contractor and any subcontractor(s) shall be provided to the Owner and the Consultant, if so requested.

##### **8 GC 3.7 LABOUR AND PRODUCTS**

Add the following paragraph 3.7.4:

3.7.4 The Contractor is responsible for the safe on-site storage of Products and their protection (including Products supplied by the Owner and other contractors to be installed under the Contract) in such ways as to avoid dangerous conditions or contamination to the Products or other persons or property and in locations at the Place of the Work to the satisfaction of the Owner and the Consultant. The Owner shall provide all relevant information on the Products to be supplied by the Owner.

Add the following paragraph 3.7.5:

3.7.5 The Contractor shall confine Construction Equipment, Temporary Work, storage of Products, waste products and debris, and operations of employees and Subcontractors to limits indicated by laws, ordinances, permits, or the Contract Documents and shall not unreasonably encumber the Place of the Work.

Add the following paragraph 3.7.6:

3.7.6 The Contractor shall maintain the Work in a safe and tidy condition and free from accumulation of waste products and debris.

Add the following paragraphs 3.7.7.1 and 3.7.7.2:

3.7.7 .1 The Contractor shall not permit Products or Construction Equipment to be stored at the Place of Work unless:

(i) the Products and/or Construction Equipment are used within fourteen (14) days of their arrival at the Place of Work; or

(ii) the Owner provides written permission for Products and/or Construction Equipment to be stored at the Place of Work, in which case the Contractor shall comply with the written instructions provided by the Owner in that regard, and said permission may be withdrawn by the Owner upon five (5) business days' notice, in which case the Contractor will be solely responsible for any costs, losses, or damages the Contractor incurs in connection the withdrawal of said permission;

.2 Notwithstanding any other provision of the Contract Documents, and subject only to the provisions of any Payment Legislation, the Owner shall not be liable to pay any amount greater than 25% of the actual cost of any Products and/or costs associated with Construction Equipment that is/are stored at the Place of Work and not used within 14 days of their arrival at the Place of Work. The Owner shall only become liable to pay for the remainder of said Products and/or costs of said Construction Equipment after those Products and/or Construction Equipment are actually used at the Place of Work and is/are invoiced in accordance with the terms of the Contract Documents.

Add the following paragraphs 3.7.8.1., 3.7.8.2, 3.7.8.3, and 3.7.8.4:

3.7.8 The Contactor shall:

- .1 furnish competent and adequate labour and staff, who shall be in attendance at the Place of Work at all times, as necessary, for the proper administration, co-ordination, supervision, and superintendence of the Work;
- .2 organize the procurement of all Products and Construction Equipment so that labour and staff will be available at the requisite times to complete the Work in accordance with GC 3.4 Construction Schedule;
- .3 keep an adequate force of skilled workers at the Place of Work, as necessary, to complete the Work in accordance with all requirements of the Contract Documents and in accordance with GC 3.4 Construction Schedule; and
- .4 provide the Owner, Project Manager, and Consultant, with the names, work addresses, and telephone numbers of the appointed representative of the Contract and other responsible field persons who may be contacted during non-working hours.

**9 GC 3.8 SHOP DRAWINGS AND OTHER SUBMITTALS**

Add the words “AND OTHER SUBMITTALS” to the Title after SHOP DRAWINGS in GC 3.8.

Add “and Submittals” after each instance of the words “Shop Drawings” in paragraphs 3.8.1, 3.8.2, 3.8.3, 3.8.3.2, 3.8.5, 3.8.6, and 3.8.7.

Add the following paragraph 3.8.1.1:

3.8.1.1 Prior to the first application for payment, the Contractor and the Consultant shall jointly prepare a schedule of the dates for submission and return of Shop Drawings and any Submittals.

Add the following subparagraph 3.8.4.1:

3.8.4.1 The following paragraph shall apply to each Shop Drawing and Submittal reviewed in connection with the project. The Consultant’s review conducted pursuant to GC 3.8.3 shall not imply that the Consultant has approved the detailed design inherent in the Shop Drawings or Submittals, responsibility for which shall remain with the Contractor submitting same. The Contractor is responsible for information that pertains solely to fabrication processes or to techniques of construction and installation, and for coordination of the work of all sub trades.

Delete the following words in paragraph 3.8.7:

3.8.7 “with reasonable promptness so as to cause no delay in the performance of the Work” and replace those words with: “within ten (10) working days or such longer period as may be reasonably required”.

Add new GC 3.9 as follows:

**10 GC 3.9 CONTRACTOR RESPONSIBILITY FOR WATER TIGHTNESS**

GC 3.9 The Drawings and Specifications are not intended to depict each and every condition or detail of construction. As the knowledgeable party in the field, the contractor is in the best position to verify that all construction is completed in a manner which will provide a watertight structure.

**The contractor has the sole responsibility for ensuring the watertight integrity of the structure.**

Add new GC 3.10 as follows:

**11 GC 3.10 PERFORMANCE BY CONTRACTOR**

GC 3.10 In performing the Work and all its services and obligations under the Contract, the Contractor shall exercise a standard of care, skill and diligence that would normally be provided by an experienced and prudent contractor supplying similar services for similar projects. The Contractor acknowledges and agrees that throughout the Contract, the Contractor's obligations, duties and responsibilities shall be interpreted in accordance with this standard. The Contractor shall exercise the same standard of due care and diligence in respect of any products, personnel, or procedures which it may recommend to the Owner.

The Contractor further represents, covenants and warrants to the Owner that:

1. The personnel it assigns to the Project are appropriately experienced;
2. It has sufficient staff of qualified and competent personnel to replace its designated supervisor and project manager, subject to the Owner's approval, in the event of death, incapacity, removal or resignation.

**12 GC 4.1 CASH ALLOWANCES**

Delete paragraph 4.1.7 in its entirety and substitute:

4.1.7 At the commencement of the Work, the Contractor shall prepare for the review and acceptance of the Owner and the Consultant a schedule indicating the times, within the construction schedule referred to in GC 3.4, at which items called for under cash allowances and items that are specified to be purchased by the Owner and installed or hooked up by the Contractor are required to be at the Place of the Work to avoid delaying the progress of the Work.

Add new paragraph 4.1.8:

4.1.8 The *Owner* reserves the right to call, or to have the Contractor call, for competitive bids for portions of the Work, to be paid for from cash allowances.

### **13 GC 5.1 FINANCING INFORMATION REQUIRED OF THE OWNER**

Delete section GC 5.1 in its entirety.

### **14 GC 5.2 APPLICATION FOR PROGRESS PAYMENT**

Add to paragraph 5.2.1, “, the Project Manager,” after the word “Owner”.

Add the following at the end of paragraph 5.2.2:

5.2.2 Such applications shall be accompanied by one or more of the following documents: a Statutory Declaration, Waiver of Lien, or receipt, stating that the holdback monies claimed have been paid to the particular party or parties so named or referred to therein. The form of the Statutory Declaration, Waiver of Lien, or receipt shall meet the approval of the Consultant.

Add the following paragraph 5.2.9:

5.2.9 The reference to payment for Products delivered to the Place of the Work in Article 5.2.8 shall not be construed as covering day-to-day financing of the Project. Products delivered to the Place of the Work shall be construed to mean major items of equipment or quantities of items that are essential for the expedient conduct of the Work.

Add the following paragraph 5.2.10:

5.2.10 The Contractor shall submit all applications for payment and invoices (with supporting documents as required by the Contract Documents) to the Owner via the following email address: [operations-invoices@hrce.ca](mailto:operations-invoices@hrce.ca).

### **15 GC 5.3 PAYMENT**

Supplement paragraph 5.3.1 by adding the following:

5.3.1 A holdback percentage of ten (10) percent (%) shall apply to progress payments. The sworn statement by the Contractor for release of holdback monies shall be in the form of a Statutory Declaration meeting the approval of the Consultant. Amounts as certified by the Consultant to rectify deficiency items, or incomplete portions of individual work items, may be retained by the Owner after Substantial Performance has been obtained, pending Total Performance of the work or other authorization for release by the Consultant.

Amend subparagraph 5.3.1.2 as follows:

5.3.1.2 Delete "28" and replace with "30."

## **16 GC 5.4 SUBSTANTIAL PERFORMANCE OF THE WORK AND PAYMENT OF HOLDBACK**

Add the following paragraph 5.4.7:

5.4.7. Before the Contractor submits his application for Substantial Performance of the Work, all Operations and Maintenance Manual materials shall be submitted in accordance with the Contract Documents. The Certificate of Substantial Performance will not be issued until this requirement is met.

Add the following subparagraph 5.4.8:

5.4.8 After the issuance of a certificate of Substantial Performance of the Work by the Consultant, the Contractor shall promptly submit to the Consultant and the Owner (i) a Certificate from a barrister stating that there are no Builders' Liens filed relating to the Work and (ii) a Clearance Letter from the Workers' Compensation Board.

## **17 GC 5.5 FINAL PAYMENT**

Add the following subparagraphs 5.5.1.1, 5.5.1.2, 5.5.1.3, and 5.5.1.4:

5.5.1.1 The Contractor's application for final payment is considered to be valid only when all of the following have been performed:

1. Work has been completed and inspected for compliance with Contract Documents, and the Consultant is satisfied that all the requirements of the Contract have been fulfilled by the Contractor.
2. Defects have been corrected, deficiencies have been completed, and the Place of Work is (i) free of waste products and debris, and (ii) clean and suitable for use or occupancy by the Owner.
3. Equipment and systems have been tested, adjusted and balanced and are fully operational, and written reports as outlined in the Contract Documents have been provided to the Consultant.
4. Certificates required by Utility companies, manufacturer's representative and inspectors have been submitted.
5. Spare parts, maintenance materials, warranties and bonds have been provided.

5.5.1.2 If Work is deemed incomplete by the Consultant, the Contractor shall complete outstanding items and request re-inspection.

5.5.1.3 If, within sixty (60) days after the issuance by the Consultant of the Certificate of Substantial Performance, the Contractor has not corrected all the deficiencies, the Owner will retain sufficient money to cover the cost of completing said deficiencies, as determined by the Consultant, in

addition to holding monies retained in accordance with the Contract Documents and subject to the provisions of the Builders' Lien legislation of Nova Scotia.

5.5.1.4 Neither the final certificate nor the payment thereunder, nor any provision in the Contract Documents shall relieve the Contractor from responsibility for faulty material or workmanship which shall appear within a period of one (1) year from the date when Ready-For-Takeover has been attained and the Contractor shall promptly remedy any defects due thereto and pay for any damage to other Work resulting therefrom which shall appear within such period of one year. The Owner shall give notice of observed defects reasonably promptly. This article shall not be deemed to restrict any liability of the Contractor arising out of any law in force in the Province of Nova Scotia.

## **18 GC 6.2 CHANGE ORDER**

Add the following paragraphs 6.2.3, 6.2.4, 6.2.5, 6.2.5, 6.2.6, 6.2.7, and 6.2.8:

- 6.2.3 All contemplated changes in the work shall be issued by the Consultant on a "Contemplated Change Order" form.
- 6.2.4 For lump sum pricing, the Contractor shall, upon receipt of the Contemplated Change Order, submit to the Consultant for approval within seven (7) days, a quotation for changes in the work. The Contractor acknowledges that failure to do so will result in foreseeable delay to the approval and payment of changes in the Work and foreseeable Additional costs to the Owner.
- 6.2.5 Quotation for changes shall be priced in sufficient detail (GC 6.6 applies).
- 6.2.6 Consultant shall, within five (5) working days, notify the Contractor whether estimates are accepted by Owner or further information is required. Acceptance of the Owner shall be indicated in writing, and a signed copy of the Contemplated Change Order form shall be returned to the Contractor.
- 6.2.7 The Contractor shall take reasonable measures to stop Work or minimize the Work in areas affected by or related to the contemplated change(s).
- 6.2.8 For each change in the Work, the Contract Price shall be increased by the net cost of that change in the Work, plus the following mark-ups for all overhead and profits:
  - a. a 10% mark-up on the direct cost of the net change in the Work for change work performed by the Contractor's own forces; and
  - b. a 5% mark-up on the change work performed by Subcontractors.

Credits for reduced or Deleted portions of the Work shall be the actual cost of that Work, without Addition or subtraction of any amount by the Contractor for overhead and profit, and shall be included in the actual cost of the net change.



## 19 GC 6.3 CHANGE DIRECTIVE

Delete paragraph 6.3.6.3 of GC 6.3 and replace with:

6.3.6.3. The Contractor's percentage fee referred to in paragraphs 6.3.6.1 and 6.3.6.2 shall be calculated and determined applying the following percentage mark-ups for overhead and profit:

- a. a 10% mark-up on the direct cost of the net change in the Work for change work performed by the Contractor's own forces; and
- b. a 5% mark-up on the change work performed by Subcontractors.

Add to GC 6.3 the following paragraphs 6.3.14 and 6.3.15:

6.3.14 If unit prices are set out in the Contract or subsequently agreed upon, then the unit process alone shall govern in relation to determining the cost of any item for a Change Directive.

6.3.15 Payment of the cost of performing work attributable to a Change Directive shall be made only if and to the extent that the Contractor has taken all reasonable steps to mitigate and minimize the impact of the change and the resulting cost.

## 20 GC 6.4 CONCEALED OR UNKNOWN CONDITIONS

Add new paragraph 6.4.5:

6.4.5 The *Contractor* confirms that, prior to bidding the *Project*, it carefully investigated the Place of the Work and applied to that investigation the degree of care and skill described in paragraph 3.10, given the amount of time provided between the issue of the bid documents and the actual closing of bids, the degree of access provided to the Contractor prior to submission of bid, and the sufficiency and completeness of the information provided by the Owner. The Contractor is not entitled to compensation or to an extension of the Contract Time for anything which could reasonably have been ascertained by the Contractor by such careful investigation undertaken prior to the submission of the bid.

## 21 GC 6.5 DELAYS

Delete the period at the end of paragraph 6.5.1 and substitute the following words:

6.5.1 “, but excluding any consequential, indirect or special damages.”

Add new paragraph 6.5.6:

6.5.6 If the Contractor is delayed in the performance of the Work by any act or omission of the Contractor or anyone employed or engaged by the Contractor directly or indirectly, or by any cause within the Contractor's control, then the Contract Time shall be extended for such reasonable time as the Consultant may decide in consultation with the Contractor. The Owner shall be reimbursed by the

Contractor for all reasonable costs incurred by the Owner as the result of such delay, including all services required by the Owner from the Consultant as a result of such delay by the Contractor and, in particular, the cost of the Consultant's services during the period between the Ready-for-Takeover date stated in Article A-1 herein (subject to any adjustment in accordance with the Contract Documents) and any later, actual date Ready-for-Takeover is attained by the Contractor.

Add new paragraph 6.5.7:

6.5.7 The Consultant shall not, except by written notice to the Contractor, stop or delay any part of the Work pending decisions or proposed changes.

## **22 GC6.6 CLAIMS FOR A CHANGE IN CONTRACT PRICE**

Add the following to the end of paragraph 6.6.1, deleting the "." after the word "Consultant":

"in no case more than 10 Working Days from the event or series of events giving rise to the claim".

Amend paragraph 6.6.5 as follows:

6.6.5 Add the words "as noted in paragraph 6.6.3" after the words "of the claim" and add the words "and the consultant", at the end.

Add the following paragraph 6.6.7:

6.6.7 If the Contractor claims for an increase in the Contract Price pursuant to this GC 6.6, the amount of any such claim shall be limited to the amount determined in accordance with the methods of quantification set out in paragraphs 6.3.6, 6.3.7, and 6.3.14 of GC 6.3, and the Contractor shall promptly submit a detailed breakdown of all labour, materials, overhead, and profits claimed, including those of Subcontractors. Contemporaneous records are required to support a claim for an increase in the Contract Price, and the Owner retains the right to verify all submitted records through an independent audit. The Owner is not liable for costs not so substantiated. Any mark-up for overhead and profit on the claimed amount under this GC 6.6 shall be limited to the amounts provided for under GC 6.3.6.3, as Amended by these Supplementary Conditions.

## **23 GC 8.3 NEGOTIATION, MEDIATION, AND ARBITRATION**

Add the following paragraphs 8.3.9, 8.3.10, 8.3.11, 8.3.12, 8.3.13, 8.3.14, and 8.3.15:

8.3.9 Within five (5) days of receiving a Notice in Writing requesting arbitration, the party receiving the notice shall give the Consultant a written notice containing:

- a. a copy of the Notice in Writing requesting arbitration;
- b. a copy of supplementary conditions 8.2.9 to 8.2.14 of this contract, and;

- c. a concise description of any claims or issues which the Contractor or the Owner, as the case may be, wishes to raise in relation to the Consultant arising out of the issues in dispute in the arbitration.

8.3.10 The Owner and the Contractor agree that the Consultant may elect, within ten (10) days of receipt of the notice under paragraph 8.3.9, to become a full party to the arbitration under paragraph 8.3.6 if the Consultant:

- a. has a vested or contingent financial interest in the outcome of the arbitration;
- b. gives the notice of its election to the Owner and the Contractor before the arbitrator is appointed;
- c. agrees to be a party to the arbitration within the meaning of the rules referred to in paragraph 8.3.6, and;
- d. agrees to be bound by the arbitral award made in the arbitration.

8.3.11 If an election is made under paragraph 8.3.10, the Consultant may participate in the appointment of the arbitrator and, notwithstanding the rules referred to in paragraph 8.3.6, the time period for reaching agreement on the appointment of the arbitrator shall begin to run from the date the respondent receives a copy of the notice of arbitration.

8.3.12 The arbitrator in the arbitration in which the Consultant has elected under paragraph 8.3.10 to become a full party may:

- a. on application of the Owner or the Contractor, determine whether the Consultant has satisfied the requirements of paragraph 8.3.10, and;
- b. make any procedural order considered necessary to facilitate the Addition of the Consultant as a party to the arbitration.

8.3.13 The provisions of paragraph 8.3.9 shall apply mutatis mutandis to written notice to be given by the Consultant to any sub-consultant.

8.3.14 In the event of notice of arbitration given by the Consultant to a sub-consultant, the sub-consultant is not entitled to any election with respect to the proceeding as outlined in 8.3.10, and is deemed to be bound by the arbitration proceeding.

8.3.15 An application for arbitration shall be accompanied by security in the amount of \$1,000 to apply to the cost of arbitration. Any claims of excess costs must be submitted in writing to the Consultant within two weeks of completion or alleged completion of the work. No claims shall be accepted after this date and, also, no claims shall be accepted for disputed work unless the Consultant has been notified as specified.

## **24 GC 9.1 PROTECTION OF WORK AND PROPERTY**

Delete subparagraph 9.1.1.1 in its entirety and substitute the following new paragraph 9.1.1.1:

9.1.1.1 errors or omissions in the Contract Documents which the Contractor could not have discovered applying the standard of care described in paragraph 3.10.

Delete paragraph 9.1.2 in its entirety and substitute the following new paragraph 9.1.2:

9.1.2 Before commencing any Work, the Contractor shall determine the locations of all underground utilities and structures indicated in the Contract Documents, or that are discoverable by applying to an Inspection of the Place of the Work exercising the degree of care and skill described in paragraph 3.10.

## **25 GC 9.2 TOXIC AND HAZARDOUS SUBSTANCES**

Add in paragraph 9.2.6 after the word “responsible”, the following new words:

9.2.6 Or whether any toxic or hazardous substances or materials already at the Place of the Work (and which were then harmless or stored, contained or otherwise dealt with in accordance with legal and regulatory requirements) were dealt with by the Contractor or anyone for whom the Contractor is responsible in a manner which does not comply with legal and regulatory requirements, or which threatens human health and safety or the environment, or material damage to the property of the Owner and others,

Add in subparagraph 9.2.7.4:

9.2.7.4 “and the Consultant” after “Contractor”:

Add in paragraph 9.2.8 after the word “responsible”, the following new words:

9.2.8 or that any toxic or hazardous substances or materials already at the Place of the Work (and which were then harmless or stored, contained or otherwise dealt with in accordance with legal and regulatory requirements) were dealt with by the Contractor or anyone for whom the Contractor is responsible in a manner which does not comply with legal and regulatory requirement, or which threatens, human health and safety or the environment, or material damage to the property of the Owner or others,

## **26 GC 9.4 Construction Safety**

Add to the end of paragraph 9.4.1:

The Contractor shall be responsible for and ensure the safety of not only the workers, Subcontractors, tradespeople, and Suppliers, and their equipment, but also of all other persons who enter the Place of Work whether during working hours or not, and for that purpose shall erect

such hoardings and signs and shall employ such safety measures as may be necessary to ensure the safety of such persons.

Delete paragraph 9.4.5 and replace with:

The Contractor shall be responsible for the cost to comply with any public health order(s) affecting the performance of the Work issued pursuant to the Health Protection act (Nova Scotia) or pursuant to any similar legislation, whether Federal or Provincial.

## **27 GC 9.5 MOULD**

Add in subparagraph 9.5.3.4:

9.5.3.4 “and the Consultant” after “Contractor”

## **28 GC 10.1 TAXES AND DUTIES**

Add the following paragraph 10.1.3:

10.1.3 The Contractor shall indicate on each application for payment as a separate amount, the appropriate Harmonized Sales Tax the Owner is legally obliged to pay. This amount will be paid to the Contractor in Addition to the amount certified for payment under the Contract. The Contractor’s HST registration number must appear on all invoices.

## **29 GC 10.2 LAWS, NOTICES, PERMITS AND FEES**

Delete from the first line of paragraph 10.2.5 the word, “The” and substitute the words:

10.2.5 “Subject to paragraph 3.10, the”

## **30 GC 10.4 WORKERS' COMPENSATION**

Add the following paragraphs 10.4.2, 10.4.3, 10.4.4, and 10.4.5:

10.4.2 The contractor is referred to regulations, as applicable, under the Worker's Compensation Act of Nova Scotia.

10.4.3 The Contractor’s registration with the Worker’s Compensation Board shall be continuous during the contract. Should registrations be scheduled to expire during the contract period, the Contractor shall submit a copy of its registration renewal one month prior to the expiration of the current certificate.

10.4.4 The Contractor shall furnish evidence of coverage under the Worker’s Compensation Act of Nova Scotia and a clearance Certificate providing proof of registration with the Worker’s Compensation Board prior to commencement of the Work. (A photocopy of the Contractors registration

certificate is acceptable proof). On-going proof of good standing with the Worker's Compensation Board during the term of the contract is required.

- 10.4.5 The Contractor shall also maintain a Certificate of Recognition (COR) from a safety audit company recognized by the Workers' Compensation Board, such as the Nova Scotia Construction Safety Association, for the duration of the Contract. The Contractor shall provide a copy of its COR to the Owner and Consultant prior to commencement of the Work and shall provide a copy of its COR to the Owner or Consultant upon request.

### GC 11.1 INSURANCE

Delete sentences and replace with the following in subparagraph 11.1.1.1:

- 11.1.1.1 **Delete:** "General liability insurance shall be maintained from the commencement of the Work until one year from the date of Ready-for-Takeover. Liability coverage shall be provided for completed operations hazards from the date of Ready-for-Takeover on an ongoing basis for a period of 6 years following Ready-for-Takeover" **and replace with:** "General Liability Insurance or Wrap- Up Liability Insurance, (as detailed in the Information to Tenders section under "Insurance Requirements"), shall be maintained from the commencement of the Work until final completion and acceptance of the Work including the making good of faulty work or materials, except that coverage of completed operations liability shall in any event be maintained for twelve (12) months from date of Ready-for-Takeover".

Add the following subparagraphs 11.1.1.1.1, 11.1.1.1.2, and 11.1.1.2.1:

- 11.1.1.1.1 The general liability insurance to be maintained by the Contractor shall include Commercial General Liability Insurance covering Premises and Operations Liability, elevators, broad form property damage, broad form automobile, owners and contractors protective, blanket contractual, personal injury, completed operations liability contingent employers liability, cross liability clause, non-owned automobile liability, and a 30 day notice of cancellation clause.
- 11.1.1.1.2 All liability insurance policies shall be written in such terms as will fully protect the Contractor and The Halifax Regional Centre for Education as an Additional named insured.
- 11.1.1.2.1 Liability coverage of not less than ten million dollars (\$10,000,000) is required with regard to operations of owned and non-owned automobiles.

Delete subparagraph 11.1.1.4 in its entirety and insert the following subparagraphs:

- 11.1.1.4 Broad Form (All Risks) Builders Risk Coverage - Prior to the commencement of any Work the Contractor shall maintain and pay for Broad Form (All Risks) Builders Risk Coverage in the joint names of The HRCE and the Contractor totaling not less than one hundred percent (100%) of the total value of the Work to be done and materials delivered on the site

(contract value), so that any loss under such policies of insurance will be payable to The HRCE and the Contractor as their respective interests appear. The Builders Risk Insurance shall include all materials related to the Work while in transit or at other locations.

- 11.1.1.4.1 Should a loss be sustained under the Builders Risk Coverage, the Contractor shall act on behalf of The HRCE and Contractor for the purpose of adjusting the amount of such loss with the insurance companies. As soon as such adjustment has been satisfactorily completed, the Contractor shall proceed to repair the damage and complete the Work and shall be entitled to receive from The HRCE in Addition to any sum due under the Contract, the amount at which The HRCE interest has been appraised in the adjustment made with the insurance companies as referred to above, said amount to be paid to the Contractor as the Work of restoration proceeds. Any loss or damage which may occur shall not affect the rights and obligations of either party under the Contract except as aforesaid and except that the Contractor shall be entitled to a reasonable extension of time for the performance of the Work, as The HRCE may decide.
- 11.1.1.4.2 Upon Ready-for-Takeover being attained, the Contractor's obligation to maintain Builder Risk Insurance shall cease and The HRCE shall assume full responsibility for insuring the whole of the Work against loss or damage.
- 11.1.1.4.3 "Broad form" property insurance in the joint names of the *Contractor*, the *Owner* and the *Consultant*. The policy shall include as insureds all *Subcontractors*. The Broad form" property insurance shall be provided from the date of commencement of the Work until the earliest of:
- 11.1.4.3.1 Ten (10) Calendar days after Ready-for-Takeover;
- 11.1.4.3.2 on the commencement of use or occupancy of any part or section of the *Work* unless such use or occupancy is for construction purposes, habitational, office, banking, convenience store under 465 square meter in area, or parking purposes, or for the installation, testing and commissioning or equipment forming part of the *Work*; and
- 11.1.4.3.3 when left unattended for more than thirty (30) consecutive calendar days or when construction activity has ceased for more than thirty (30) consecutive calendar days.

Paragraph 11.1.2 is supplemented as follows:

- 11.1.2 In addition, within seven (7) working days after notification of award or in any event prior to payment of the first progress claim, the Contractor shall submit certified true copies of each insurance policy to the Owner's Contract Authority. Such copies shall be exclusive of information pertaining to premium or premium bases used by the insurer to determine the cost of the insurance. Prior to the commencement of any work, the Contractor shall file with the Owner a certified copy of each insurance policy and certificate required.

Delete 11.1.5 in its entirety and replace with the following:

11.1.5 Insurance contracts shall be procured from and the premiums paid to a resident agent of an insurance Company licensed to underwrite insurance in the Province of Nova Scotia.

Add the following paragraph 11.1.9:

11.1.9 All of the insurance policies shall contain a clause stating that no change in terms and conditions or cancellation may at any time be made without the full knowledge and consent of the Owner.

### **31 GC 11.2 CONTRACT SECURITY**

Add the following paragraphs 11.2.1, 11.2.2, and subparagraph 11.2.2.1:

11.2.1 The Contractor shall, prior to commencement of the *Work* or within the specified time, provide to the *Owner* and the Consultant the *Contract* security specified in the *Contract Documents*.

11.2.2 If the *Contract Documents* require surety bonds to be provided, such bonds shall be issued by a duly licensed surety company authorized to transact the business of suretyship in the province or territory of the *Place of the Work* and shall be maintained in good standing until the fulfillment of the *Contract*. The form of such bonds shall be in accordance with the latest edition of the CCDC approved bond forms, or in such other form as specified by the Owner.

11.2.2.1 "Bonds shall be procured from a Nova Scotia resident agent of an insurance company licensed to do business in Nova Scotia and shall be maintained in good standing and held by the Owner until one (1) year after Ready-for-Takeover.

Add the following paragraph 11.2.3:

11.2.3 If a Certified Cheque is held as contract security it shall be in an amount equal to ten (10) percent (%) of the Contract Price. The Contract shall supplement the Certified Cheque as necessary to maintain the amount equal to ten (10) percent (%) of the total amount payable (Contract Price plus HST).

- .1 The Certified Cheque will be deposited at the chartered bank holding The HRCE deposits.
- .2 The HRCE will return the cheque amount to the Contractor upon satisfactory completion of the contract and duration as specified in the Tender documents.
- .3 Should Contractor default, total amount payable under the Certified Cheque will be the face value of the cheque plus all accrued interest.
- .4 Payment for completion of work, due to failure of performance of the Contractor, shall include all reasonable obligations under the Contract, including architectural and engineering costs arising because of the default of the Contractor.



- .5 Payment for labour and materials shall be limited to those who have a direct contract with the Contractor for the provision of labour and/or material (which includes equipment rental).

### **32 GC 12.3 WARRANTY**

In paragraph 12.3.2, delete from the first line the word, "The" and substitute the words:

12.3.2 "Subject to paragraph 3.10, the..."

Add the following paragraph 12.3.7:

12.3.7 Warranty repairs or replacements which arise during warranty period which affect the operation of the system shall be attended to immediately upon notification from the Consultant.

### **33 GC 13.3 INDEMNIFICATION**

Add the following paragraph 13.1.1.3:

13.1.1.3 The Contractor shall indemnify and hold harmless the Consultant, its agents and employees from and against claims, demands, losses, costs, damages, actions, suits, or proceeding by third parties that arise out of, or are attributable to, the Contractor's performance of the Contract, provided such claims are attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property, and caused by negligent acts or omissions of the Contractor or anyone for whose acts the Contractor may be liable, and made in writing within a period of six (6) years from t Ready-for-Takeover, or within such shorter such period as may be prescribed by any limitation statute or the province or territory of the Place of the Work.

**END OF SECTION 00 73 00**

## SECTION 01 11 00 - HRCE SUMMARY OF WORK

### 1. Project Location & General Scope

- 1.1. Herring Cove Junior High School & 7 Lancaster Drive Herring Cove, NS, B3V 1J2
- 1.2. Scope: Refer to Section 00 00 15 for scope and schedule information.

### 2. Contract Documents

- 2.1. Work will be performed under CCDC-2 contract.

### 3. General Conditions

- 3.1. Halifax Regional Centre for Education and CCDC-2 form an integral part of this Project Manual, a copy of which is bound herein.

### 4. Project Manual

- 4.1. Sections of the Project Manual are numbered in conformance with the Master List of Section Titles and Numbers, CSC Document 004E, published jointly by Construction Specifications Canada and The Construction Specifications Institute (USA). Sections are arranged in their standard format.
- 4.2. Sections are written as units of the Work which have been assigned numbers in conformance with the CSC/CSI system. They are arranged in sequence for this Manual. Gaps in the order of numerical sequence do not indicate that a section has been inadvertently omitted from this Manual, but, rather that a Section is not required for completion of the Work.
- 4.3. Wherever the project location building name occurs in the Contract Documents it shall be taken to mean all work included in the Contract.
- 4.4. Wherever in the Contract Documents the words "approval", "approved", "direction", "directed", "selection", "selected", "request", "requested", "report", and similar words are used, such approvals, directions, selections, requests and reports shall be given by the HRCE unless specifically stated otherwise.
- 4.5. Wherever in the Contract Documents the word "provide" is used in any form, it shall mean that the Work concerned shall include both supply and installation of the products required for completion of that part of the Work.
- 4.6. Wherever in this Project Manual it is specified that Work is to proceed or to meet approval, direction, selection or request of jurisdictional authorities or others, such approval, direction, selection or request shall be in writing.

**5. Errors & Omissions**

- 5.1.** If errors or omissions are observed in the Contract Documents, immediately notify the HRCE Procurement Contact in writing of all such errors or omissions. In the event no such notice is given, the Contractor will be held responsible for the results of any such error or omission and the cost of rectifying the same.

**6. Division 1**

- 6.1.** The provisions of all Sections of **Division 1** shall apply to each Section of this Specification.

**7. Wage Rates**

- 7.1.** Pay all employees engaged on the Work a wage not less than the minimum wage per hour as set out by the Province of Nova Scotia. For overtime work beyond 48 hours in any one week, pay no employee at a rate of less than one and one-half times the minimum wage per hour noted above. Provide for these wage rates in tendered contract amount.

**8. Work Performed Under Separate Contracts**

- 8.1.** Work not to be included in the Contract, as noted "NIC" on the Drawings, shall be governed by Article 37, Separate Contracts, of General Conditions of Contract.
- 8.2.** Furniture installation will be carried out by others.
- 8.3.** Computer installation will be carried out by others.

**9. Project Schedule**

- 9.1.** Refer to Section 00 00 15 Description of Work.
- 9.2.** Existing services (mechanical & electrical) will need to be maintained through the renovations.
- 9.3.** During construction, all life safety systems as well as mechanical and electrical systems must be in active, usable condition to permit the school to operate or alternate methods used to ensure the safe operation of the school as directed by HRCE project representative.
- 9.4.** As construction progresses revise the schedule to compensate for any delays or unforeseen activities so as to maintain the contract completion date. Each schedule submission is to be complete with a statement indicating the changes made, the reason they were changed and confirmation that the project completion date will not change. The above schedule information is to be submitted monthly or more often if necessary.

## **10. Site Progress Records**

- 10.1.** Maintain at site a permanent written record of progress of Work. Make the record available at all times with copies provided when requested. Include in record each day:
  - 10.1.1.** Commencement and completion dates of the Work of each trade in each area of Project.
  - 10.1.2.** Attendance of Contractor's and Subcontractor's Work forces at Project and a record of the work they perform.
  - 10.1.3.** Visits to site by representatives of the Owner, Engineer, jurisdictional authorities, Contractor, Subcontractors, and suppliers.
- 10.2.** Maintain a progress chart in approved format. Show on chart proposed Work schedule and progress of Work by Contractor and Subcontractor.

## **11. Examination**

- 11.1.** Site:
  - 11.1.1.** Examine site, and ensure that site conditions have been examined, that all are fully informed on all particulars which affect Work thereon and at the place of construction, and in order that construction proceeds competently and expeditiously.
  - 11.1.2.** Ensure by examination that all physical features, and working restrictions and limitations which exist are known.
- 11.2.** Previously Completed Work:
  - 11.2.1.** Verify dimensions of existing Work in place before construction of Work to be incorporated with it.
  - 11.2.2.** Verify that previously executed Work and surfaces are satisfactory for construction, and that performance of subsequent Work will not be adversely affected.
  - 11.2.3.** Commencement of Work will constitute acceptance of site conditions and previously executed Work as satisfactory.
  - 11.2.4.** Report to Engineer defects in prior Work which will affect quality of subsequent Work, or construction schedule.
- 11.3.** Construction Measurements:
  - 11.3.1.** Before commencing installation of Work, verify that its layout is accurate in accordance with intent of Drawings, and that locations, elevations, and clearances to adjacent infrastructure are maintained.
  - 11.3.2.** If Work is installed in wrong location, rectify it before other Work concerned proceeds.

## **12. PROTECTION OF WORK, PROPERTY & PERSONS**

- 12.1.** Include in Work necessary methods, materials, and construction to ensure that no damage or harm to Work, materials, property and persons results from the Work of this Contract. Temporary facilities relating to protection are specified in Section 01 52 00.
- 12.2.** Protect, and if damaged make good, adjacent private and public property.
- 12.3.** Keep surfaces, on which finish materials will be applied, free from grease, oil, and other contamination which would be detrimental in any way to the application of finish materials.
- 12.4.** Protect finished surfaces of completed Work from damage by restriction of access or by use of physical means suitable to the material and surface location. Establish with each Subcontractor the suitability of such protection in each case.
- 12.5.** Protect existing underground infrastructure, mechanical, electrical, telephone and similar services from damage. If necessary, relocate active services to ensure that they function continuously in safety and without risk of damage.
- 12.6.** Cap off and remove unused utility services encountered during Work after approval is given by the utilities concerned or jurisdictional authorities, whichever may apply. Relocation, removal, protection and capping of existing utility services shall be performed only by the applicable utility and of other services by licensed mechanics.
- 12.7.** To prevent soiling or damage to finish flooring where pedestrian traffic occurs after the flooring has been installed, install and maintain 6 mil. polyethylene membrane or reinforced kraft paper temporary protection, secured in place and with joints sealed by reinforced pressure sensitive tape.
- 12.8.** Install plywood panels of minimum ¼" thickness over completed finish flooring materials, on which further construction Work is performed by other trades or delivery of products is made, or both. Seal joints between panels with reinforced pressure sensitive tape.
- 12.9.** Prevent spread of dust beyond the construction zone by wetting, or by other approved means, as it accumulates.
- 12.10.** The outside work area shall be appropriately demarked and/or surrounded by rigid chain link panels or fencing (at the cost of the contractor) to prevent unauthorized entry to the work area. Any area of roof having work completed is to be covered below with this fencing approximately 10' from the edge of the building. It is to be maintained at all times throughout the project. All waste disposal bins are to be fenced in using the same type of fencing as indicated above during working hours. After working hours, all waste disposal bins shall be located a minimum of 25 feet from any structure. Any windows where the debris chute is located are to be covered. All entrances below the roof area are to have covered scaffolding erected to ensure a safe travel path to a distance of ten feet from edge of building. All workers shall contain their activity to the work site area. Access to the school shall only be allowed as

planned in coordination with HRCE Operations and the school administration.

- 12.11.** All security on site shall be coordinated through HRCE using an HRCE preferred vendor.
- 12.12.** The contractor is responsible for the cost of security for all project materials.
- 12.13.** If access to the project site is required inside the building, HRCE will provide security personnel at its own cost.
- 12.14.** The contractor shall keep the work site free from accumulated debris caused by the employees or work and shall remove all debris at the end of each work shift. Debris shall not be deposited in HRCE controlled garbage and/or recycling containers.
- 12.15.** All waste materials and debris created during demolition and/or construction shall be disposed of in a dumpster provided by the contractor, to be removed at the end of the construction project, using a methodology that is in compliance with the applicable HRM solid waste by laws. Otherwise, the material must be removed and disposed of off-site at the end of each working day. The waste materials may not be stored on site unless they are held in an approved project dumpster no closer than twenty five (25) feet from any structure.
- 12.16.** All temporary structures such as portable washroom facilities, materials storage trailer, work trailer, debris dumpster, vehicles, etc., shall be located a minimum of (25) twenty-five feet from the school building.
- 12.17.** Where applicable, a hot work permit will be required to be completed and approved by HRCE prior to commencement of work and all conditions of the permit must be maintained until completion of hot work. A copy of the hot work permit signed by the contractor representative shall be provided to HRCE upon completion of each hot work session. Contractor must assign a designated fire watch as noted on the permit document who shall remain on site for three hours after completion of each hot work session.
- 12.18.** A school washroom will be designated for use where appropriate. However, protection of the surfaces as indicated above must be maintained. It should also be noted that access to the building during summer months will be limited for security reasons. Contractor is responsible to provide temporary portable washroom facilities for general use of contractor staff.
- 12.19.** Access to Interior of School - All interior access is to be scheduled with the PM. This will allow for notice to the school admin., custodial and possible scheduling of a security guard for after hour access.
- 12.20.** Adhesives / Torch Work - All adhesive use and torch work must be completed after school hours. Contractor must assign a designated fire watch as indicated above in 12.17.

### **13. Cleaning**

- 13.1.** Ensure that during and after construction the public streets and existing asphalt parking lot are cleaned as required.

**14. Salvage**

- 14.1.** Unless otherwise specified, salvaged material resulting from construction, and surplus materials and construction debris shall become property of Contractor, who must dispose of it away from Site.

**15. Site Limitations**

- 15.1.** Since the existing building will be occupied during the Work (in accordance with the Phasing Schedule) the Architect will designate the precise areas on the site which may be utilized for work and storage, and where personnel will be permitted to be present. Refer also to Drawings. Allow for hoarding to secure construction areas from occupied portions of the Building and Site.
- 15.2.** All access to the construction site is to be coordinated with the Project Manager for HRCE and communicated at the pre-construction meeting.
- 15.3.** Any Work carried out in the building is to be carried out during hours approved by the School Administration.
- 15.4.** Any disruption to services within the building must occur during hours approved by School Administration.
- 15.5.** Any Work which may have an adverse effect on the occupancy functions, must have prior approval of the School Administration and **may** require scheduling during off-hours.

**16. Security Regulations**

- 16.1.** Perform Work in conformance to the security regulations of the building as directed by the Project Manager for HRCE.

**17. Project Identification**

- 17.1.** No project sign is required on this Project.

**18. Owner's Occupancy**

- 18.1.** The Owner reserves the right to occupy and use portions of the Project, whether partially or entirely completed, or whether completed on schedule or not, provided such occupancy does not interfere with the Contractor's continuing Work.
- 18.2.** Partial occupancy or installation by the Owner of his equipment shall not imply acceptance of the Project in whole, or in part, nor shall it imply acknowledgement that terms of the Agreement are fulfilled.

**END OF SECTION 01 11 00**

## SECTION 01 11 25 - PRICES

### 1. General

- 1.1. Prices included in the Contract shall be complete for the applicable Work, and shall include for each price:
  - 1.1.1. Expenditures for wages and for salaries of workmen, engineers, superintendents, draftsmen, foremen, timekeepers, accountants, expeditors, clerks, watchmen and such other personnel as may be approved, employed directly under the Contractor and while engaged on the applicable Work at the site and expenditures for travelling and HRCE allowances of such employees when required by location of the applicable Work or when covered by trade agreements and when approved; provided, however, that nothing shall be included for wages or salary of the Contractor if an individual, or of any member of the Contractor's firm if the Contractor is a firm or the salary of any officer of the Corporation if the Contractor is a corporation, unless otherwise agreed to in writing.
  - 1.1.2. Expenditures for material used in or required in connection with the construction of the applicable Work including material tests and required by the laws or ordinances of any authority having jurisdiction and not included under Subparagraph .9.
  - 1.1.3. Expenditures for preparation, inspection, delivery, installation and removal of materials, equipment, tools and supplies.
  - 1.1.4. Temporary facilities as required for the applicable Work.
  - 1.1.5. Travelling expenses properly incurred by the Contractor in connection with the inspection and supervision of the applicable Work or in connection with the inspection of materials prepared or in course of preparation for the applicable Work and in expediting their delivery.
  - 1.1.6. Rentals of all equipment whether rented from the Contractor or others, in accordance with approved rental agreements including any approved applicable insurance premiums thereon and expenditures for transportation to and from the site of such equipment, costs of loading and unloading, cost of installation, dismantling and removal thereof and repairs or replacements during its use on the applicable Work, exclusive of any repairs which may be necessary because of defects in the equipment when brought to the Work or appearing within thirty (30) days thereafter.
  - 1.1.7. The cost of all expendable materials, supplies, light, power, heat, water and tools (other than tools customarily provided by tradesmen) less the salvage value thereof at the completion of the applicable Work.
  - 1.1.8. Assessments under the Workmen's Compensation Act, the Unemployment Insurance Act, Canada Pension Act, statutes providing for government hospitalization, vacations



with pay or any similar statutes; or payments on account of usual vacations made by the Contractor to his employees engaged on the applicable Work at the site, to the extent to which such assessments or payments for vacations with pay relate to the Work covered by the specified price; and all sales taxes or other taxes where applicable.

- 1.1.9. The amounts of all Subcontracts related to the specified price.
- 1.1.10. Premiums on all insurance policies and bonds called for under this Contract as related to the specified price.
- 1.1.11. Royalties for the use of any patented invention on the applicable Work.
- 1.1.12. Fees for licenses and permits in connection with the applicable Work. No Building Permit is required for the project.
- 1.1.13. Duties and taxes imposed on the applicable Work.
- 1.1.14. Such other expenditures in connection with the applicable Work as may be approved.
- 1.1.15. Provided always that except with the consent of the Owner, the above items of cost shall be at rates comparable with those prevailing in the locality of the Work.

**END OF SECTION 01 11 25**

## SECTION 01 11 41 - PROJECT COORDINATION

### 1. Requirements Included

- 1.1. Each Trade Contractor's responsibilities include the coordination of Work within his own Contract and with the Work of other Contracts.

### 2. Related Requirements

- 2.1. Project Meetings: Section 01 31 19
- 2.2. Submittals: Section 01 33 00

### 3. Description

- 3.1. Coordinate Work on which subsequent Work depends to facilitate mutual progress, and to prevent conflict between parts of the work.
- 3.2. Ensure that each Section makes known for the information of the Construction Manager and other Sections, the environmental and surface conditions required for the execution of its Work, and the sequence of others Work required installation of its Work.
- 3.3. Ensure that each Section, commencing Work, and that each Section is assisted in the execution of its preparatory Work by Sections depending upon its preparation.
- 3.4. Deliver materials supplied by one Section to be installed by another well before the installation begins.
- 3.5. Sections giving installation information in error, or too late to incorporate in the Work, shall be responsible for having Work done which was thereby additionally made necessary.
- 3.6. Coordinate warranty conditions of interconnected Work to ensure that full coverage is obtained.
- 3.7. Remove work installed in error which is unsatisfactory for subsequent Work.

### 4. Cutting And Patching

- 4.1. Include under Work of this Section all cutting and patching of asphalt required by the Work.
- 4.2. Finish new surfaces flush with existing surfaces.
- 4.3. Cut and patch as required making work fit.
- 4.4. Make cuts with clean, true, smooth edges.
- 4.5. Patching of existing or new asphalt shall be performed only by workmen with expertise in that particular trade and who normally perform that Trade.
- 4.6. Replace, and otherwise make good, damaged or defective Work. If required by the Construction Manager.
- 4.7. Do not endanger Work or property by cutting, digging, or similar activities. No Section shall cut or alter the Work of another Section unless approved by the Section which has installed it.

- 4.8.** Cut and drill with true smooth edges and to minimum suitable tolerances.
- 4.9.** If required, before cutting, drilling, or sleeving structural load bearing elements, obtain approval of location and methods.
- 4.10.** Cutting, drilling and sleeving of Work shall be done only by the Section which has installed it. The Section requiring drilling and sleeving shall inform the Section performing the Work of the location and other requirements for drilling and sleeving. The Contractor shall directly supervise performance of cutting and patching.
- 4.11.** Cutting and Patching for Holes Required by Mechanical & Electrical Work:
  - 4.11.1.** Include under Work of Mechanical Divisions cutting or provision of holes up to 8" in diameter and related patching.
  - 4.11.2.** Include under Work of this Section holes and other openings required by the work of Mechanical Divisions which are larger than 8" in diameter or least dimension, and chases, bulkheads, furring and required patching. This Section shall be responsible for determination of Work required for holes in excess of 8" diameter or least dimension.
  - 4.11.3.** Include under the Work of Electrical Divisions all cutting or provision of holes and related patching for the Work of that Division.
- 4.12.** Include under Work of this Section all other cutting and patching required by the Work except as described in Clause .11 above.
- 4.13.** Patching or replacement of damaged Work shall be done by the Subcontractor under whose Work it was originally executed, and at the expense of the Subcontractor who caused the damage.
- 4.14.** Make patches invisible in final assembly.

## **5. Quality Assurance**

- 5.1.** Requirements of Regulatory Agencies:
  - 5.1.1.** Make known and coordinate the requirements of jurisdictional authorities, as made explicit by the Contract Documents, and by representatives of such authorities
- 5.2.** Source Quality Control:
  - 5.2.1.** Ensure that Work meets specified requirements
  - 5.2.2.** Schedule, supervise and administer inspection and testing as specified in Section 01 45 00.
- 5.3.** Job Records:
  - 5.3.1.** Maintain job records and ensure that such records are maintained by subcontractors.

**Submittals**

- 5.4.** Prepare a Project schedule in accordance with Section 01 33 00, and ensure that all subcontractors and suppliers are aware of the details of this schedule, and progressively of their general compliance with the schedule.
- 5.5.** Become aware of the required submittals specified in each Section, and expedite submission of such submittals so as not to hinder the Project Schedule.
- 5.6.** Review submittals and make comments as specified in Section 01 33 00.

**6. Job Conditions**

- 6.1.** Ensure that Work proceeds under conditions meeting specified environment and job safety requirements
- 6.2.** Ensure that protection of adjacent property and the Work is adequately provided and maintained to meet specified requirements.

**7. Product Delivery, Storage And Handling**

- 7.1.** Site has limited spaces for storage, only delivery of materials agreed upon by the Construction Manager will be allowed. Comply with Construction Manager's allocations. Any requirement for modifications to the building in order to allow delivery and storage of the materials to complete this work is the responsibility of the contractor.
- 7.2.** Schedule delivery of products & removal of material with Construction Manager.
- 7.3.** Make available areas for storage of products and construction equipment to meet specified requirements, and to ensure a minimum of interference with progress of the Work and relocations.
- 7.4.** Trade Contractor to provide flag persons, traffic signals, barricades and Flares/lights/lanterns as required to perform the Work and to protect the public.
- 7.5.** Material and Waste - Deliveries and Removals - Must be coordinated to be completed 30 minutes after school dismissal where applicable.

**END OF SECTION 01 11 41**

## **SECTION 01 31 19 – PROJECT MEETINGS**

### **1. Pre-Award Meeting**

- 1.1.** A Pre-award meeting will be held at which time the following will be addressed:
  - 1.1.1.** Owner and HRCE's functions.
  - 1.1.2.** The Consultant and the Consultant's functions.
  - 1.1.3.** The General Contractor and the General Contractor's functions.
  - 1.1.4.** Documentation requirements from the General Contractor.
  - 1.1.5.** Obligees for Performance and Payment Bonds from Sub-contractors.
  - 1.1.6.** Progress Claims.
  - 1.1.7.** CO's & CCO's.
  - 1.1.8.** Construction Schedule.
  - 1.1.9.** Project Start-up.
  - 1.1.10.** Job Meetings.
  - 1.1.11.** Superintendent – General Contractor's Representative.
  - 1.1.12.** Design / Administration authority.
  - 1.1.13.** Owner's Representative.
  - 1.1.14.** Special Consultants.
  - 1.1.15.** Quality of Workmanship.
  - 1.1.16.** Accountability.
  - 1.1.17.** Harmonized Sales Tax.
  - 1.1.18.** Contract Close-out Documentation.

### **2. Preconstruction Meeting**

- 2.1.** Within fifteen (15) days after award of Contract, arrange a meeting between the Consultant, Subcontractors, Project Superintendents, Inspection and Testing Company Representatives, and representatives of others whose coordination is required during construction.
- 2.2.** Discuss at the meeting the means by which full cooperation and coordination of the participants during construction can be achieved.
- 2.3.** Document the responsibilities and necessary activities of the participants during construction as discussed and distribute to each participant.
- 2.4.** Establish procedures for maintenance and completion of Project record drawings specified in Section 01 77 00.
- 2.5.** Review and establish methods of maintaining life safety and egress for the school occupants. Communicate these methods thoroughly with the School Principal.

### **3. Progress Meeting**

- 3.1.** Invite representatives of HRCE, to attend twice monthly site meetings called by the Contractor during the progress of the Work.

- 3.2.** Inform HRCE of each meeting and of proposed agenda a minimum of five (5) days before meeting.
- 3.3.** Submit proposed schedule of site meetings to Engineer and Owner.
- 3.4.** Record, prepare and distribute minutes of each meeting to HRCE and to each other participant within 72 hours of meeting.
- 3.5.** Ensure that all representatives who attend meetings have the authority to conduct business on behalf of firms they represent.
- 3.6.** Details of Progress Meetings to be discussed at the project start-up meeting.

**4. Suggested Agendum (Preconstruction Meeting)**

- 4.1.** Distribution and discussion of:
  - 4.1.1.** List of major subcontractors and suppliers.
  - 4.1.2.** Projected Construction Schedules.
- 4.2.** Critical work sequencing.
- 4.3.** Major equipment deliveries and priorities.
- 4.4.** Project Coordination:
  - 4.4.1.** Designation of responsible personnel.
- 4.5.** Procedures and Processing of:
  - 4.5.1.** Field decisions
  - 4.5.2.** Proposal requests
  - 4.5.3.** Submittals
  - 4.5.4.** Change orders
  - 4.5.5.** Applications for Payment.
- 4.6.** Adequacy of distribution of Contract Documents.
- 4.7.** Procedures for maintaining Record Documents.
- 4.8.** Use of premises:
  - 4.8.1.** Office, work and storage areas.
  - 4.8.2.** Owner's requirements.
- 4.9.** Construction facilities, controls and construction aids.
- 4.10.** Safety/Tool Box Meetings.
- 4.11.** Security procedures.
- 4.12.** Housekeeping procedures.
- 4.13.** Egress/life safety procedures

**5. Suggested Agendum (Progress Meetings)**

- 5.1.** Review and approval of minutes of previous meeting.
- 5.2.** Safety meeting minutes.
- 5.3.** Review of work progress since previous meeting.
- 5.4.** Field observations, problems, conflicts.
- 5.5.** Problems which impede Construction Schedule.
- 5.6.** Review of off-site fabrication, delivery Schedules.

- 5.7.** Corrective measures and procedures to regain projected schedules.
  - 5.8.** Revisions to Construction Schedules.
  - 5.9.** Maintenance of quality standards.
  - 5.10.** Pending changes and substitutions and effect on Construction Schedule.
  - 5.11.** Other Business.
- 
- 6.** Attend, with representatives of HRCE weekly meetings with the School Administration to review construction activities and concerns of Building Occupants.
  - 7.** Quarterly meetings with Contractor and the HRCE / User during Warranty Period including major sub-trade contractors.
  - 8.** Dates for meetings will be set at time of completion.

**END OF SECTION 01 31 19**

## **SECTION 01 33 00 – SUBMITTAL PROCEDURES**

### **1. General Requirements**

- 1.1.** Make submittals specified in this Section to Consultant unless otherwise specified, with additional submissions made, in manner that they direct, to other parties involved with construction of the Project as their interests are concerned. These parties are, but shall not be restricted to, consultants, jurisdictional authorities, and Subcontractors whose Work must be coordinated with Work related to Submittals.
- 1.2.** Ensure that submissions are made to allow sufficient time for review without the construction schedule being delayed.

### **2. Document Submissions Required**

- 2.1.** At Commencement of Contract:
  - 2.1.1.** Performance and Payment Bonds.
  - 2.1.2.** Public Liability and Property Damage Insurance Certificates.
  - 2.1.3.** List of Subcontractors by firm name.
  - 2.1.4.** Construction Schedule and other required schedules and estimates.
  - 2.1.5.** Site Specific Safety Plan/Safety Policy.
  - 2.1.6.** Workers' Compensation Board status.
- 2.2.** During Construction:
  - 2.2.1.** Weekly progress reports.
  - 2.2.2.** Job meeting reports and minutes.
  - 2.2.3.** Updated construction schedules.
  - 2.2.4.** Shop drawings as required.
  - 2.2.5.** Inspection and test reports.
  - 2.2.6.** Daily communication of Hot Work Permits as needed.
- 2.3.** Submissions at completion of Work are specified in Section 01 77 00, Contract Closeout.

### **3. Administrative**

- 3.1.** Submit to Consultant submittals listed for review. Submit promptly and in orderly sequence to not cause delay in Work. Failure to submit in ample time is not considered sufficient reason for extension of Contract Time no claim for extension by reason of such default will be allowed.
- 3.2.** Do not proceed with Work affected by submittal until review is complete.
- 3.3.** Present shop drawings, product data, samples and in Imperial units.
- 3.4.** Review submittals prior to submission to Consultant. This review represents that necessary requirements have been determined and verified, or will be, and that each submittal has been



checked and coordinated with requirements of Work and Contract Documents. Submittals not stamped, signed, dated and identified as to specific project will be returned without being examined and considered rejected.

- 3.5. Notify Consultant in writing at time of submission, identifying deviations from requirements of Contract Documents stating reasons for deviations.
- 3.6. Verify field measurements and affirm that affected adjacent work is coordinated.
- 3.7. Contractor's responsibility for errors and omissions in submission is not relieved by Consultant's review of submittals.
- 3.8. Contractor's responsibility for deviations in submission from requirements of Contract Documents is not relieved by Consultant's review.
- 3.9. Keep one review copy of each submission on site.

#### **4. Construction Schedules**

- 4.1. Submit proposed construction schedule at beginning of Project, as specified in Project Documents.
- 4.2. As construction progresses, submit up-dated construction schedules as specified in Project documents.

#### **5. Shop Drawings And Product Data**

- 5.1. The term "shop drawings" means drawings, diagrams, illustrations, schedules, performance charts, brochures and other data which are to be provided by Contractor to illustrate details of a portion of Work.
- 5.2. Submit drawings stamped and signed by professional consultant registered or licensed in Province of Nova Scotia of Canada.
- 5.3. Indicate materials, methods of construction and attachment or anchorage, erection diagrams, connections, explanatory notes and other information necessary for completion of Work. Where articles or equipment attach or connect to other articles or equipment, indicate that such items have been coordinated, regardless of Section under which adjacent items will be supplied and installed. Indicate cross references to design drawings and specifications.
- 5.4. Allow seven (7) days for Consultant's review of each submission. Do not proceed with work involving relevant products until completion of shop drawing review.
- 5.5. Adjustments made on shop drawings by Consultant are not intended to change Contract Price. If adjustments affect value of work, state such in writing to Consultant prior to proceeding with work.
- 5.6. Make changes in shop drawings as Consultant may require, consistent with Contract Documents. When resubmitting, notify Consultant in writing of revisions other than those requested.

Accompany submission with transmittal letter, in duplicate, containing:

- 5.6.1.** Date
  - 5.6.2.** Project title and number
  - 5.6.3.** Contractor's name and address
  - 5.6.4.** Identification and quantity of each shop drawing, product data and sample.
  - 5.6.5.** Other pertinent data.
- 5.7.** Submission to include:
  - 5.7.1.** Date and revision dates.
  - 5.7.2.** Project title and number.
  - 5.7.3.** Name and address of:
    - 5.7.3.1.** Subcontractor.
    - 5.7.3.2.** Supplier.
    - 5.7.3.3.** Manufacturer.
  - 5.7.4.** Contractor's stamp, signed by Contractor's authorized representative certifying approval of submissions, verification of field measurements and compliance with Contract Documents.
  - 5.7.5.** Details of appropriate portions of Work as applicable:
    - 5.7.5.1.** Fabrication.
    - 5.7.5.2.** Layout, showing dimensions, including identified field dimensions, and clearances.
    - 5.7.5.3.** Setting or erection details.
    - 5.7.5.4.** Capacities.
    - 5.7.5.5.** Performance characteristics.
    - 5.7.5.6.** Standards.
    - 5.7.5.7.** Relationship to adjacent work.
- 5.8.** After Consultant's review, distribute copies.
- 5.9.** Submit for review one electronic copy in PDF file format of shop drawings for each requirement requested in specification Sections and as Consultant may reasonably request.
- 5.10.** Submit electronic copies of product data sheets for brochures for requirements requested in specification Sections and as requested by Consultant where shop drawings will not be prepared due to standardized manufacture of product.
- 5.11.** Submit electronic copies of test reports for requirements requested in specification Sections and as requested by Consultant.
  - 5.11.1.** Report signed by authorized official of testing laboratory that material, product or system identical to material, product or system to be provided has been tested in accord with specified requirements.
  - 5.11.2.** Testing must have been within three (3) years of date of contract award for project.

- 5.12.** Documentation of testing and verification actions taken by manufacturer's representative to confirm compliance with manufacturer's standards or instructions.
- 5.13.** Delete information not applicable to project.
- 5.14.** Supplement standard information to provide details applicable to project.
  - 5.14.1.** If upon review by Consultant, no errors or omissions are discovered or if only minor corrections are made, copies will be returned, and fabrication and installation of work may proceed. If shop drawings are rejected, noted copy will be returned and resubmission of corrected shop drawings, through same procedure indicated above, must be performed before fabrication and installation of work may proceed.
  - 5.14.2.** Without restricting generality of foregoing, Contractor is responsible for dimensions to be confirmed and correlated at job site, for information that pertains solely to fabrication processes or to techniques of construction and installation and for coordination of work of sub-trades.
- 5.15.** Shop Drawings are specified for submission under the following:
  - Section 03 20 00 Concrete Reinforcement
  - Section 05 12 23 Structural Steel
  - Section 05 31 00 Steel Deck
  - Section 05 50 00 Metal Fabrications
  - Section 06 10 11 Rough Carpentry
  - Section 06 40 00 Architectural Woodwork
  - Section 07 41 43 Aluminum Composite Panels
  - Section 07 46 13 Preformed Metal Siding
  - Section 07 55 00 Modified Bitumen Roofing System & Flashing
  - Section 07 84 00 Fire Stopping and Smoke Seals
  - Section 08 11 14 Steel Doors & Frames
  - Section 08 11 16 Aluminum Doors & Frames
  - Section 08 14 10 Wood Doors
  - Section 08 50 50 Aluminum Windows
  - Section 08 62 11 Vinyl Windows
  - Section 08 71 10 Door Hardware
  - Section 09 22 16 Non-Load Bearing Wall Framing
  - Section 09 30 13 Ceramic Tile
  - Section 10 11 13 Communication Boards
  - Section 10 11 23 Tackboards
  - Section 10 14 53 Traffic Signs
  - Section 10 28 10 Toilet & Bath Accessories
  - Section 10 50 00 Miscellaneous Specialties
  - Section 11 40 11 Food Services Catalogued & Custom Equipment
  - Section 12 21 13 Horizontal Blinds

Section 12 21 16 Roller Shades

Section 14 42 13 Wheelchair Platform Lift

All pre-manufactured Mechanical & Electrical items as noted in Mechanical & Electrical Divisions.

## **6. SAMPLES**

- 6.1.** Submit for review samples in duplicate as requested in respective specification Sections, as requested by the Consultant. Label samples with origin and intended use.
- 6.2.** Deliver samples prepaid to Consultant's business address.
- 6.3.** Notify Consultant in writing, at time of submission of deviations in samples from requirements of Contract Documents.
- 6.4.** Adjustments made on samples by Consultant are not intended to change.
- 6.5.** Make changes in samples which Consultant may require, consistent with Contract Documents.
- 6.6.** Reviewed and accepted samples will become standard of workmanship and material against which installed work will be verified.
- 6.7.** Samples are specified for submission under the following Sections:

Section 07 41 43 Aluminum Composite Panels

Section 07 46 13 Preformed Metal Siding

Section 08 14 10 Wood Doors

Section 08 50 50 Aluminum Windows

Section 09 30 13 Ceramic Tile

Section 09 51 13 Acoustical Ceiling Units

Section 09 65 19 Resilient Tile Flooring

Section 12 21 13 Horizontal Blinds

Section 12 21 16 Roller Shades

Refer to Mechanical & Electrical Divisions for sample requirements in those Trades.

## **7. Record Drawings**

- 7.1.** Record, as the Work progresses, changes and deviations in the location of Work concealed by the finished Work, and such other approved changes that occur during progress of Work, to ensure that an accurate record is provided for future maintenance and alterations.
- 7.2.** White prints will be provided by the HRCE for use in preparing record drawings. Record changes in the Work on these prints in red ink.
- 7.3.** Dimension location of concealed Work in reference to building walls, and elevation in reference to floor elevation. Indicate at which point dimension is taken to conceal Work. Dimension all terminations and offsets of runs of concealed work.
- 7.4.** Record work constructed differently than shown on Contract Documents, changes in the work caused by site conditions, by Owner, Consultant, Contractor and Subcontractor originated changes, and by site instructions, supplementary instructions, field orders, change orders, addenda, correspondence and directions of jurisdictional authorities.

- 7.5. Record location of mechanical and electrical services, piping, valves, conduits, pull boxes, junction boxes and similar work not clearly in view, and position of which is required for maintenance, alteration work and future additions. Do not conceal critical work until its location has been recorded.
- 7.6. Identify record drawings as a "Project Record Copy". Maintain in good condition, do not use for construction purposes and make available to Consultant at all times.
- 7.7. Submit record drawings at completion of Work. Final acceptance of the Work will be predicated on receipt and approval of record drawings.

## **8. Extra Stock**

- 8.1. Supply extra stock at completion of Project as specified in other Sections of the Project Manual.
- 8.2. Deliver extra stock as directed by the Architect to location he designates.
- 8.3. Extra stock is specified to be supplied in the following Sections:

Section 09 30 13 Ceramic Tile

Section 09 51 13 Acoustical Ceiling Units

Section 09 65 19 Resilient Tile Flooring

Section 09 91 23 Painting

Refer to Mechanical & Electrical Divisions for Extra Stock requirements in those Trades.

## **9. Maintenance Manual & Operating Instructions**

- 9.1. Submit three (3) copies of Maintenance Manual with application for completion certificate.
- 9.2. Include in Maintenance Manual one (1) copy of each final approved shop drawing issued for Project on which have been recorded changes made during fabrication and installation caused by unforeseen conditions.
- 9.3. Submit extended guarantees together in one (1) report binder.
- 9.4. The Manuals shall:
  - 9.4.1. Consist of a hard-cover, black, vinyl-covered, loose-leaf, letter-size binder.
  - 9.4.2. Have a title sheet, or sheets preceding data on which shall be recorded Project name, Project number, date, list of contents, and Contractor's and Subcontractors' names.
  - 9.4.3. Be organized into applicable Sections of Work with each Section separated by hard paper dividers with plastic covered tabs marked by Section.
  - 9.4.4. Contain only typed or printed information and notes, and neatly drafted drawings.
  - 9.4.5. Contain maintenance and operating instructions on all building, and mechanical and electrical equipment.
  - 9.4.6. Contain maintenance instructions as specified in various Sections.
  - 9.4.7. Contain brochures and parts lists on all equipment.
  - 9.4.8. Contain sources of supply for all proprietary products used in the Work.

- 9.4.9. Contain lists of supply sources for maintenance of all equipment in Project of which more detailed information is not included above.
- 9.4.10. Contain finished hardware schedule.
- 9.4.11. Contain charts, diagrams and reports specified in Mechanical & Electrical Divisions.

## 10. Extended Warranties

- 10.1. Submit the extended warranties listed in this Article and as specified in each applicable Section of this Project Manual.
- 10.2. Extended warranties shall commence on termination of the standard one-year warranty granted in this Contract.
- 10.3. Submit each extended warranty on a standard Form of Warranty, a sample of which is included in this Section.
- 10.4. Secure each extended Warranty by a Maintenance Bond in an amount indicated.
- 10.5. Submit extended warranties for:

Section 06 40 00 Architectural Woodwork – extended 4 years

Section 07 41 43 Aluminum Composite Panels – extended 10 years (panel finish)

Section 07 55 00 Modified Bitumen Roofing System & Flashing:

- 2 year CRCA materials and workmanship against leaks and blow off
- 10 year material warranty the membrane will perform as a roofing material
- 1 year CRCA warranty against defects of materials and workmanship for the sheet metal work.

Section 07 92 10 Joint Sealants – extended 5 years

Section 08 11 16 Aluminum Doors & Frames – extended 4 years

Section 08 14 10 Wood Doors – extended 4 years

Section 08 50 50 Aluminum Windows – extended 4 years

Section 08 62 11 Vinyl Windows – extended 5 years

Section 08 71 10 Door Hardware – various, refer to that Section

Section 09 30 13 Ceramic Tile – extended 4 years

Section 09 51 13 Acoustical Ceiling Units – extended 4 years

Section 09 65 19 Resilient Tile Flooring – extended 4 years

Section 10 11 13 Communication Boards – extended 24 years

Section 10 11 23 Tackboards – extended 9 years

Section 12 21 13 Horizontal Blinds – extended 5 years

Section 12 21 16 Rollers Shades – extended 5 years

Section 14 42 13 Platform Lift – extended 5 years

Refer to Mechanical & Electrical Divisions for extended Warranty requirements in those trades.

**11. Inspection Laboratory Reports**

- 11.1.** Submit copies of inspection and test reports obtained by the Contractor and Subcontractors for their Work or for Jurisdictional Authorities, if requested by Consultant.
- 11.2.** Submit reports in accordance with requirements specified in Section 01 41 00.

**12. Documentation On Suppliers & Manufacturers**

- 12.1.** Provide information under headings identifying the following: Associated Technical Section, Manufacturer, Supplier, Contact Name, and Phone Numbers.

**SAMPLE FORM OF WARRANTY FOLLOWS THIS PAGE**

## Sample Form for Warranty

**Date** .....

**Client** .....

**Project** .....

.....

**Warranty** .....  
(title of work)

We hereby undertake to warrant all materials supplied and installed under our Contracts and include the providing of necessary materials and labour to cover the result of faulty materials or workmanship. Upon written notification from Client or the Architect that the above work is defective any repair or replacement work required shall be to the Architect's satisfaction at no cost to the Client. This Warranty shall not apply to defects caused by the work of others, maltreatment of materials, negligence or Acts of God. This Warranty shall remain in effect for the total period from the acceptance of the Work to (....date....), irrespective of the date of completion or the beneficial use by the Owner.

**Signature** .....

**Authorized Signing Officer** .....

**Name of Firm** .....

**Address** .....

END OF SECTION 01 33 00



## SECTION 01 35 13 – APPENDIX A - SPECIAL PROJECT PROCEDURES

### 1. Introduction

- 1.1. School construction, renovation and maintenance projects are scheduled every year as a normal and necessary course of business by operations departments in each Nova Scotia Centre for Education. Building modifications, repairs and additions/demolitions to buildings may impact the school environment without appropriate controls. With increased controls based primarily on the CSA standards implementation, proper scheduling and clear communication on adequate controls can be put into place to eliminate/minimize the impact to all occupants.
- 1.2. Projects of this nature may generate varying levels of dusts, noises and odors. It is possible, unknown/unforeseeable environmental contaminants, such as spills, mold, fumes, lead or asbestos exposure maybe identified.
- 1.3. To successfully complete work within the school environment, it is necessary to plan and implement appropriate containment and control strategies. This document is developed to provide a minimum standard for contaminant controls for various types of projects in schools. These standards are in addition to and should complement all legislated protocols for working with regulated materials such as asbestos, lead paints, PCB's etc.
- 1.4. Executing a successful project will depend primarily on clear, concise communication. This may involve a number of parties (Project Manager, Operations staff, School Administration and Health & Safety staff and Joint Occupational Health & Safety Committee).

### 2. Communication Plan

- 2.1. The most critical element of any project management plan is effective communication between all stakeholders. Communication between the Operations project manager/supervisor, the contractor and school administrators before the start of a project is very important. This meeting is meant to explain the scope, schedule and risk assessment for the project. The meeting will also help establish clear expectations when managing planned and unplanned exposure risks associated with contaminant controls.
- 2.2. The communication plan shall include:
  - 2.2.1. A description of potential contaminants, which may include but is not limited to:
    - 2.2.1.1. Particulates (dirt, concrete/silica, steel, fiberglass, wood dust, ash, cellulose, etc.)
    - 2.2.1.2. Moisture: external water infiltration, internal system leaks (domestic water, sanitary, storm, sprinkler)
    - 2.2.1.3. Noise from equipment/tool operation,
    - 2.2.1.4. Fumes/odors from equipment exhaust, boiler exhaust, septic waste, chemical/adhesives, etc.
    - 2.2.1.5. Hazardous materials including, asbestos, PCB, mercury, lead, fuel oil, fungi/mould, etc.



#### **4. Particulate Control**

- 4.1.** Exposure to minimal levels of dust is a normal condition in most outdoor and indoor environments and is typically controlled inside a building through building ventilation, filtration and routine housekeeping measures. However, as noted, construction projects generally create elevated dust levels in work areas, whether inside or outside of a building.
- 4.2.** Operational Services Managers must ensure maintenance staff and contracted service providers implement dust control measures appropriate for the type and scope of work being performed. This will include assessing the type and amount of dust being created as well as the location of the work being conducted.
  - 4.2.1.** Interior Construction Projects:
  - 4.2.2.** Construction projects may be described as projects that may include window replacement, wall creation/demolition, etc.
- 4.3.** As a minimum for these types of construction projects, all interior entry points into a construction zone must be effectively sealed. The barrier must prevent contaminants from the work area to be distributed to other areas of the school. Appropriate signage must be posted to indicate only authorized persons are permitted access.
- 4.4.** Entrance design could range from a two flap plastic tarp door to a fully constructed sealed entry door with negative hepa-filtered ventilation on the construction side of the barrier.
- 4.5.** Exterior Construction Projects:
  - 4.5.1.** Exterior work shall be performed so as not to affect the safety of building occupants. It will also provide controls to avoid impact to adjacent properties. Depending up on the results identified in the risk assessment, at a minimum consideration must be given to prevent dust from entering into the school environment. This may be controlled through isolation, dampening application, closing building AHU and window/door openings.

#### **5. Noise Control**

- 5.1.** Hearing plays an essential role in communication, speech and language development and learning within a school environment. During construction the contractor is responsible for ensuring acceptable noise levels will be adhered to for the HRCE staff and students within the building. Noise related to a project may prove to be very distracting for staff and students. To minimize distractions and interruptions in student learning the following are important to consider:
  - 5.1.1.** Contractors are responsible to ensure appropriate noise control measures are taken
  - 5.1.2.** "No work" periods may need to be incorporated into construction schedules
  - 5.1.3.** Work causing a noise disruption may need to take place during unoccupied times and/or during pre-determined acceptable times of the day (i.e. before and after class times)
  - 5.1.4.** It may be necessary for the School Administrator to make a request to the HRCE Project Manager or the Contractor to exclude undertaking certain noisy activities during particular periods and/or activities.

## **6. Moisture Control**

- 6.1.** Moisture levels are to be controlled during construction and maintenance activities. Moisture levels above normal may impact the air in the room and/or building and may also penetrate building materials giving the potential to lead to mould growth.
- 6.2.** Certain activities (i.e. tape and mud of drywall, painting, pressure washing, concrete cutting with water or other water-based dust-suppression) introduce high amounts of moisture into the room environment and ventilation and or drying is required to control local moisture.
- 6.3.** An enclosure properly set-up to contain other contaminants will similarly contain/control high levels of airborne moisture. A wet-vac should be available on-site for activities which have a risk of water spillage of more than 5 gallons at any instance.
- 6.4.** Standing and or stagnate water must be avoided on construction sites, for a number of reasons, including, but not limited to; insects breed in these bodies of water, the water may give off odours, it is a nuisance to walk through, and it may be an ice hazard in cold weather.
- 6.5.** It is important that all water leaks and flooding are reported immediately to the HRCE's project manager and building supervisor. Where works to existing "plumbing" is to occur the water lines (potable, heating, fire suppression) must be isolated and drained (de- energized/de-pressurized) following Lock Out - Tag Out procedure. Adequate supplies such as buckets and absorbents should be present when drains are not available to drain a line.
- 6.6.** When an interruption to the water supply, potable or service, is to occur then the "owner's representative" and building supervisor should be notified 24 hours in advance. Bottled water provision may be required.
- 6.7.** Materials used in the construction and or maintenance activities are to be stored in dry areas. The introduction of materials to the activities with moisture levels above the acceptable (XXX%)CNBC states for wood, on dry weight basis, a max of 19%, I can't find info on drywall but assume it is much lower range is prohibited as these materials are highly susceptible to colonization by mould spores.

## **7. Fumes**

- 7.1.** Fumes may be produced on a project site for a variety of reasons such as use of motorized equipment, off gassing of sealants, adhesives and finish products, cutting/torching processes, exposure of sanitary systems, process ignition gases such as propane and acetylene, proximity of project temporary washrooms, radon, etc.
- 7.2.** The impact of fumes on occupants may range from discomfort to health risk, to life safety risk.
- 7.3.** The project manager or supervisor must ensure that all potential fume sources are identified and remedial or control measures included in the scope of work by the contractor.
- 7.4.** Monitoring equipment may be required to determine for example radon exposure or safety of confined space access.

**8. Activity Assessment**

- 8.1.** Activities that may produce contaminants which require control may be considered as low, medium and high impact.
- 8.2.** Low impact activities include routine maintenance and repairs that may create localized dust or odors or brief periods of noise which are not considered harmful to occupants but may be a nuisance which requires minimal control. These may include activities such as opening ceiling tiles or gyproc walls, replacing a plumbing fixture, paint touch ups, drilling through a wall, etc.
- 8.3.** Medium impact activities include larger repair jobs or longer duration projects that will create more wide spread levels of contaminant which must be controlled to prevent exposure to building occupants. Boiler cleaning, ceiling replacement, long periods of hammer drilling, etc.
- 8.4.** High impact activities include large demolition and construction projects, or jobs with exposure to contaminants that are a risk to health or life safety such as asbestos remediation, mould abatement, lead paint clean up, etc.

**9. Hazard Assessment**

- 9.1.** A hazardous assessment is required to be completed for each job to ensure hazards are identified and corresponding controls are implemented. Depending upon the circumstances at the site it may be necessary to upgrade and/or add other precautions.
- 9.2.** Determine the most appropriate hazard classification and apply the corresponding protocols. The attached hazard assessment identifies the minimum controls that must be in place during the corresponding activities. Depending on the specific circumstances at a site further controls may be required. When the hazards are deemed to be in the C or F category the form including specific controls must be submitted to the HRCE for review, prior to commencing work. The contractor may still be required to complete their own hazard assessment of the job/work.

**10. Contaminant Controls** Procedure for initiating work for all Contaminant Controls:

**10.1. Contaminant Control I**

- 10.1.1.** The tradesperson or project manager for the HRCE will discuss the details, including the scope and any impacts of the job/project with the principal.
- 10.1.2.** Ensure fire exiting requirements and life safety systems are addressed or adequate mitigating plans are implemented for the building, construction staff and building occupants.
- 10.1.3.** Presence of lead paint or ACM's (Asbestos Containing Materials) must be determined prior to the start of any job. Specific protocols or Codes of Practice may apply.
- 10.1.4.** Consideration will be given for work that is anticipated to generate significant noise, odours or VOC's (Volatile Organic Compounds) and this will be scheduled outside of school hours or during times when the noise will not disrupt occupant activities. This will require coordination with the Principal.
- 10.1.5.** The work area shall be isolated where possible. This may be achieved at varying levels, by closing doors and opening outside windows for ventilation or by installing

appropriate hoarding and negative pressure units to ensure contaminants are not circulated throughout the school causing further health and safety concerns.

- 10.1.6.** Dust shall be minimized during the activity. When drilling, sanding or cutting is taking place, wetting the area may be necessary to reduce dust.
  - 10.1.7.** Good housekeeping practices shall be maintained at all times on the work site. Bag and remove dust and debris from the building as soon as possible.
  - 10.1.8.** Possible environmental impacts shall be managed and minimized. If work uncovers environmental contaminants or suspected contaminants such as oil spills (current or historic) or potentially friable asbestos materials (check the school asbestos audit) that may be disturbed, this information shall be brought to the attention of the HRCE's employee responsible for the project so that appropriate actions can be taken.
  - 10.1.9.** When the activity is completed the work area shall be inspected and cleaned. Dust and debris shall be removed from the area and all efforts will be made to return items to their pre-maintenance activity location.
  - 10.1.10.** The Principal shall be notified that the work is completed.
- 10.2. Contaminant Control II** - All Contaminant Control I measures shall apply, as well as;
- 10.2.1.** Cover furniture, bookshelves and teaching materials with plastic sheets.
  - 10.2.2.** Water misting while performing dust generating activities may be required.
  - 10.2.3.** Seal un-used doors. Seal wall penetrations, electrical outlets, or any other source of air leaks in the construction area.
  - 10.2.4.** Seal exhaust air vents in construction area and open the windows. If possible shut down air handling system in the area for duration of project.
  - 10.2.5.** A walk out mat at exterior of exit door to trap dust may be required.
- 10.3. Contaminant Control III** - All Contaminant Control I and II measures shall apply, as well as;
- 10.3.1.** Install an impermeable dust barrier from the true ceiling to the floor consisting of two layers of 6 mil fire retardant polyethylene or solid wall and sealed door. The wall shall remain in place until the job is finished and the clean-up is completed.
  - 10.3.2.** Seal all wall penetrations.
  - 10.3.3.** Seal off all return and supply air handling ducts and close all windows.
  - 10.3.4.** Turn off the air handling system in the area of construction.
  - 10.3.5.** Maintain negative air pressure in the construction area using HEPA filter equipped exhaust ventilation. The pressure differential between the project area of contamination and the building's occupied areas shall be demonstrable by a means approved by the HRCE employee responsible for the project.
  - 10.3.6.** Ensure that the air is exhausted directly outside and away from intake vents.
  - 10.3.7.** Vacuum all horizontal surfaces including drop cloths with a hepa vacuum.
  - 10.3.8.** Remove drop cloths.
  - 10.3.9.** Vacuum again all horizontal surfaces with HEPA Vacuum.
  - 10.3.10.** Restore ventilation.
  - 10.3.11.** Remove enclosure and equipment.

**10.4. Control IV: (External Work)**

- 10.4.1.** External work may impact building interior or occupants.
- 10.4.2.** To reduce the impact to building interior or occupants, it may be necessary to contain the work area from impacting building interior. This may include closing or opening windows, tarping ceilings to capture debris or water, temporary relocation of occupants or ventilation controls.
- 10.4.3.** The job supervisor shall consider weather conditions and forecast to reduce the effect of any weather impacts to the building materials or building occupants.
- 10.4.4.** It may be necessary to use protective tarps and ground cover sheets below equipment and work areas to contain building debris such as paint chips, materials, dust or oil from equipment.
- 10.4.5.** When the job is completed and the tarps have been lifted, inspect the ground around the job for debris and clean as necessary.

**Fire Protection**

**10.5. Type V: General Fire Protection**

- 10.5.1.** Ensure fire exiting requirements and life safety systems are addressed or adequate mitigating plans are implemented for the building, construction staff and building occupants. Staff must be aware of temporary modifications to fire safety plans.
- 10.5.2.** MSDSs for all materials to be used must be reviewed and available on site.
- 10.5.3.** Construction materials stored outside must be a minimum distance of ten feet from the building and be in a secured area.
- 10.5.4.** Flammable or Combustible liquids must be stored as per Fire Code requirements. All flammable and combustible liquids or materials must be kept in a secure area at all times.

**10.6. Control VI: Fire Protection (minor hot work) - All Contaminant Control V shall apply as well as;**

- 10.6.1.** Notify the Principal that a risk of fire has increased and the area in which the hot work will occur.
- 10.6.2.** Refer and implement the HRCE's hot work permit process. At a minimum the following should be considered;
  - 10.6.2.1.** Sweep the work area and remove all unnecessary materials in the vicinity; particularly all combustible and flammable materials and liquids shall be removed from the area (35 feet).
  - 10.6.2.2.** Have an appropriate size fire extinguisher available.
  - 10.6.2.3.** Inspect the work location for areas (such as a hole in the wall) where hot material or sparks could fall and smolder and close them off so that any hot debris can only fall within your field of view.
  - 10.6.2.4.** If it is possible that the flame will go past the object being welded or soldered and excessively heat a flammable or combustible material, then either protect that material with a non-flammable material or wet the material and keep it wetted during the use of heat or grinding.



- 10.6.2.5.** Remain in the area while the joint and/or heated materials cool to room temperature (ambient) while checking for the smell or appearance of smoke in the area.
  - 10.6.2.6.** Stay in the area for at least 2 hours and then re-inspect for any smell or appearance of smoke.
  - 10.6.2.7.** Ask another staff person to inspect the area for the smell or appearance of smoke. Record who you asked to do the final inspection.
- 10.6.3.** Type VII: Fire Protection (hot work w fire watch) - All Contaminant Control V and VI shall apply as well as;
- 10.6.4.** Notify the Principal that a risk of fire has increased and the area in which the hot work will occur. If any life safety system components (sprinkler, detectors, fire alarms) are not function, hot work should not proceed until these systems are functioning unless fire watch procedures for life systems are followed. See Activation of Fire Watch for Life Safety Systems checklist. Appendix...XX
- 10.6.5.** Refer and implement the HRCE's hot work permit process. At a minimum the following should be considered;
  - 10.6.5.1.** Cover all floor openings with fire stop material. Seal duct work openings with metal covers or blankets and close all doors.
  - 10.6.5.2.** Ensure that there are no potentially explosive atmospheres in the area.
  - 10.6.5.3.** Hot work on vessels, pressure tanks or boilers, use only contractors who are qualified by nationally or internationally recognized boiler and pressure vessel code.
  - 10.6.5.4.** Notify the local fire department of the type of work and the work schedule.
  - 10.6.5.5.** Before hot work is started, designate one employee responsible to complete the fire watch: while work is in progress, during lunch breaks and other breaks and for one hour after all flames are extinguished for the day and monitor the area for an additional two hours. After three hours after the last flame has been extinguished, have a second employee do a final survey of the area for smells or evidence of smoldering or fire and record the inspection.



**APPENDIX**  
**Fire Watch Activation Checklist**

1. Documentation (identify locations to be checked on an hourly basis, provide contact information for relevant HRCE staff and outside agencies} HRCE provided template to be used for documentation.
2. Procedure reviewed with Custodian or individual responsible for fire watch. Any high-risk areas shall be identified to be highlighted on the documentation page and checked during the rounds.
3. Staff working in the building have been notified of the Fire Watch and that they are responsible to monitor areas for signs of fire or smoke and have been reminded of required actions to take according to the school fire safety plan.
4. Staff responsible for fire watch have been trained in how to use a fire extinguisher. (PASS)
5. Staff responsible for the fire watch have a means of communication (cell phone or walkie-talkies)
6. Staff responsible for the fire watch are aware of the procedure for initiating fire alarm and what systems are functioning. i.e. systems (sprinklers, alarm panel or if school has monitoring company or if calling 911 is required)
7. The School Insurance Program (SIP) Emergency Information Line has been notified 1-902-448-2840
8. All relevant information has been documented in the school's fire books. Including date, time and reason for fire watch.

**Fire Watch De-Activation Checklist**

1. Document the date, time and actions taken to remedy the deficiency requiring the fire watch.
2. School Insurance Program (SIP) has been notified.
3. Copy of the Fire Watch documentation is kept in the fire book and the original is sent to the HRCE Project Representative.

**END OF SECTION 01 35 13**

## **SECTION 01 35 29 - OCCUPATIONAL HEALTH & SAFETY REQUIREMENTS**

### **1. References**

- 1.1.** CSA S269.1-1975 Falsework for Construction Purposes.

### **2. CONSTRUCTION SAFETY MEASURES**

- 2.1.** Observe construction safety measures of:
  - 2.1.1.** National Building Code 2010, Part 8
  - 2.1.2.** National Fire Code of Canada
  - 2.1.3.** Provincial Government, including but not limited to the:
    - 2.1.3.1.** Occupational Health & Safety Act revised Statutes of Nova Scotia 1996, Chapter 7 and regulations.
    - 2.1.3.2.** Workers' Compensation Act
    - 2.1.3.3.** Fire Protection Act
    - 2.1.3.4.** Dangerous Goods Transportation Act
- 2.2.** In case of conflict or discrepancy the more stringent requirement shall apply.
- 2.3.** Ensure that employees working on this specific project have met training requirements as legislated by the Nova Scotia Occupational Health & Safety Act and its regulations.
- 2.4.** Where reference is made to jurisdictional authorities, it shall mean all authorities who have within their constituted powers the right to enforce the laws of the place of the building.

### **3. Equipment & Tools**

- 3.1.** Each user of equipment or tools shall be responsible to examine for sufficiency before use. Make equipment and tools safe if necessary.

### **4. WHMIS**

- 4.1.** Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labelling and provision of material safety data sheets.
- 4.2.** Have a copy of WHMIS data sheets available at the workplace on delivery of materials.

### **5. Hazardous Material**

- 5.1.** Should material resembling hazardous materials other than those identified with the Contract Documents, including but not limited to spray or trowel applied asbestos, be encountered in course of work; stop work immediately. Do not proceed until written instructions have been received from Consultant.

- 5.2.** Where work entails use, storage, or disposal of toxic or hazardous materials, chemicals and or explosives, or otherwise creates a hazard to life, safety, health, or the environment; work shall be in accordance with the Jurisdictional Authority.

**6. Site Cleaning**

- 6.1.** Except where special permission is obtained, maintain clear access on public sidewalks and roads.
- 6.2.** Maintain walks and roads clear of construction materials and debris, including excavated material. Clean walks and roads as frequently as required to ensure that they are cleared of materials, debris and excavated material.

**7. Fire Safety Requirements**

- 7.1.** Enforce fire protection methods, good housekeeping and adherence to local and Underwriter's fire regulations including, but not limited to, Fire Protection Act and the Provincial Building Code Act. Provide UL approved fire extinguishers, and other fire- fighting services and equipment, except where more explicit requirements are specified as the responsibility of individual Sections.
- 7.2.** Smoking is not permitted on school property.
- 7.3.** Advise Fire Chief in the area of Work of any work that would impede fire apparatus response, including but not limited to violation of minimum overhead clearance prescribed by the fire chief, erecting of barricades and digging of trenches and in areas where work is being done.
- 7.4.** Ensure nothing subverts the integrity of fire protection provided for the building structure.

**8. Reporting Fires**

- 8.1.** Know the location of the nearest fire alarm box and telephone, including the emergency phone number.
- 8.2.** Report immediately all fire incidents to the fire department as follows:
  - 8.2.1.** Activate nearest fire alarm box, or
  - 8.2.2.** Telephone local fire department
  - 8.2.3.** Where fire alarm box is exterior to building, the person activating the fire alarm box shall remain at the box to direct Fire Department to scene of the fire.
  - 8.2.4.** When reporting a fire by telephone, give location of fire, name or number of building and be prepared to verify the location.

**9. Safety Document Submission**

- 9.1.** Ensure Safety Document Submission applies to Work of this specific project and site.
- 9.2.** Submit two (2) copies of Project Safety Document at the Pre-Construction Meeting. Do not commence Work nor deliver material on-site prior to submission.

- 9.3.** Include in Safety Document submission specific information detailing the methods and procedures to be implemented ensuring adherence to the acts, regulations, codes and policies specified in this section and to:
- 9.3.1.** Ensure the Health & Safety of persons at or near the Work; including, but not limited to, the Public.
  - 9.3.2.** Ensure the measures and procedures of the regulatory agencies specified are carried out.
  - 9.3.3.** Ensure every employee, self-employed person and employer performing Work under this contract complies with the regulatory agencies specified.
  - 9.3.4.** Where changes to the methods and procedures in the execution of work change submitted safety methods and procedures, modify submitted Safety Documentation and submit modifications, in writing to the Consultant and Owner prior to implementation.

## **10. Safety Document Organization**

- 10.1.** Organize information in the form of an instructional manual as follows:
- 10.1.1.** Place in binders of commercial quality, accommodating 8½" x 11" paper size.
  - 10.1.2.** Cover: Identify binder with typed or printed title 'Project Safety Document' and list the title of project.
  - 10.1.3.** Provide tabbed fly leaf for each separate heading, with typed heading on tab.
  - 10.1.4.** Where drawings are within the safety document, provide with reinforced punched binder tab. Bind in with text; fold in larger drawings to size of text pages.
  - 10.1.5.** Arrange content under Safety Document headings specified herein.

## **11. Safety Document Headings**

- 11.1.** Employee Safety Training
  - 11.1.1.** Place, under this heading, a statement indicating employees working on this specific project have met specified training requirements, if required.
- 11.2.** Company Safety Policy
  - 11.2.1.** Place, under this heading, information pertaining to the company's policy and commitment to Occupational Health & Safety, including the responsibilities of management, supervisors and workers.
- 11.3.** Company Safety Rules in General Terms
  - 11.3.1.** Place, under this heading, information of a general, global nature, applying to every work environment where the company has staff and pertaining to rules directing compliance to policy. For example state company safety rules with respect to use of hard hats, safety glasses, safety foot ware, CSA approval on such items, and use of alcohol or non-prescription drugs.

**11.4. Hazard Assessment**

**11.4.1.** Place, under this heading, information identifying possible hazards specific to this project and identify safe methods and procedures for the execution of work to ensure safety in the workplace.

**11.4.2.** Arrange contents of this heading by technical section number of the project manual.

**11.5. Emergency Action Plan**

**11.5.1.** Place, under this heading, information detailing action to be taken in the event of various emergencies.

**11.5.2.** Arrange content under the following sub-headings:

**11.5.2.1. First Aid**

11.5.2.1.1. Include information concerning establishment of a First Aid Station, related supplies, staff awareness of location and staff training in First Aid Care of Casualties.

**11.5.2.2. Contact of Emergency Support Groups:**

11.5.2.2.1. Include relative information including phone location for emergency use, the emergency telephone numbers and their location for the various organizations which must be contacted in case of an emergency, and staff training in procedures.

**Cessation of Work:**

11.5.2.2.2. Include relative information how work cessation during emergencies is handled and communicated to persons present on site.

**11.6. Joint Occupational Health & Safety Committee/Representative:**

**11.6.1.** Place under this heading information detailing membership and terms of reference.

**OCCUPATIONAL HEALTH & SAFETY SUMMARY FOLLOWS THIS PAGE**

**Occupational Health & Safety Summary** (to be submitted with each monthly Progress estimate)

The following information summarizes Occupational Health & Safety activities on the project conducted by the Contractor during the month and includes activities of Subcontractors. Activities include all matters prescribed by the Occupational Health & Safety Act and Regulations and the submitted Occupational Health & Safety Document for the Project.

**Indicate the applicable # number below:**

**List new Contractors on Site below:**

# \_\_\_\_\_ new contractors on site,

# \_\_\_\_\_ orientations

# \_\_\_\_\_ toolbox talks

# \_\_\_\_\_ safety meetings

# \_\_\_\_\_ Joint Occupational Health  
and Safety Committee meetings

# \_\_\_\_\_ hazard assessments

# \_\_\_\_\_ formal written inspections

# \_\_\_\_\_ warnings issued to employees or subcontractors

# \_\_\_\_\_ other, explain \_\_\_\_\_

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The Contractor certifies that the above noted activity list is accurate and that during the month:  
Check

☐

All activities on the Project were found to be in compliance with the Occupational Health & Safety Act and Regulations

☐

Some activities on the Project were not found to be in compliance with the Occupational Health & Safety Act and Regulations but were adequately corrected in an appropriate time frame. Explain

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Prepared by

Certified by

---

(Contractor Project Manager)

---

(Contractor Senior Management)

**END OF SECTION 01 35 29**

## **SECTION 01 37 00 - SCHEDULE OF VALUES**

### **1. Related Documents**

- 1.1.** General Conditions of Contract.

### **2. General**

- 2.1.** Submit to the Architect, and Owner, Schedule of Values, within twenty (20) days after signing Agreement.
- 2.2.** Use Schedule of Values as basis for Contractor's Progress Claim.

### **3. Form Of Submittal**

- 3.1.** Form included at end of this Section.

### **4. Preparing Schedule Of Values**

- 4.1.** Itemize separate line item cost for work required.
- 4.2.** Round off figures to nearest ten (10) dollars.
- 4.3.** The sum of all values listed in the schedule shall equal the total contract sum.

### **5. Review And Submittal**

- 5.1.** After review by Architect and Owner, revise and resubmit Schedule as directed.
- 5.2.** The form shall be completed and supported by such evidence as to its correctness as the Architect may reasonably direct.

**SCHEDULE OF VALUES**

**Project Name** *#4267 – Finishes Upgrades –  
Herring Cove Junior High School*

**Architect**

**Contractor**

**Date**

Halifax Regional Centre for Education – Schedule of Values		
Contract Item	Percentage	Dollar Value
Mobilization, bonding / insurance, safety, set up safety fencing and roof access	10	
Ceiling Removals and Installation	30	
Flooring Removals and Installation	30	
Accessible Entrance Upgrades	20	
Close out documentation including copy of warranty	10	
<b>Total</b>	<b>100 %</b>	

END OF SECTION 01 37 00



## SECTION 01 41 00 - REGULATORY AGENCIES

### 1. Jurisdictional Authorities

- 1.1. Where reference is made to jurisdictional authorities, it shall mean all authorities who have within their constituted powers the right to enforce the laws of the place of building.

### 2. Definitions

- 2.1. The "Constructor" named in the Construction Safety Act, Chapter 52, Revised Statutes of Nova Scotia, as amended by 1972, Chapter 25; and Construction Safety Regulations, pursuant to Chapter 52 R.S.N.S., including any amendments, shall mean the "Contractor" for the Work performed under this Specification.

### 3. Fire Prevention, Safety & Protection

- 3.1. General Construction Safety Measures:
- 3.1.1. Observe safety measures of the
    - 3.1.1.1. National Building Code 2010, Part 8.
    - 3.1.1.2. National Fire Code of Canada.
    - 3.1.1.3. Provincial Government, including but not limited to the Occupational Health & Safety Act Revised Statutes of Nova Scotia 1996, Chapter 320, and the Construction Safety & Industrial Safety Regulations made pursuant to the Occupational Health and Safety Act, 1996.
    - 3.1.1.4. Workers'/Workmen's Compensation Board.
  - 3.1.2. In case of conflict or discrepancy the more stringent requirement shall apply.
  - 3.1.3. Maintain clear emergency exit paths for personnel.
- 3.2. Except where special permission is obtained, maintain clear access on public sidewalks and roads.
- 3.3. Maintain walks and roads clear of construction materials and debris, including excavated materials. Clean walks and roads as frequently as required to ensure that they are cleared of materials, debris and excavated materials.
- 3.4. WHMIS:
- 3.4.1. Comply with requirements of Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labelling and provision of material safety data sheets acceptable to Labour Canada and Health & Welfare Canada.
  - 3.4.2. Have a copy of WHMIS data sheets available at the workplace on delivery of materials.

**Blockage of Roadways**

- 3.5. Advise Fire Chief of any work that would impede fire apparatus response. This includes violation of minimum overhead clearance, as prescribed by fire chief, erecting of barricades and the digging of trenches.

**4. Smoking Precautions**

- 4.1. Observe, at all times, smoking regulations.

**5. Rubbish And Waste Materials**

- 5.1. Rubbish and waste materials are to be kept to a minimum.  
5.2. The burning of rubbish is prohibited.

**6. Flammable And Combustible Liquids**

- 6.1. The handling, storage and use of flammable and combustible liquids are to be governed by the current National Fire Code of Canada.  
6.2. Flammable and combustible liquids such as gasoline, kerosene and naphtha will be kept for ready use in quantities not exceeding 45 litres provided they are stored in approved safety cans bearing the Underwriter's Laboratory of Canada or Factory Mutual seal of approval. Storage of quantities of flammable and combustible liquids exceeding 45 litres for work purposes, requires the permission of the Fire Chief.  
6.3. Transfer of flammable and combustible liquids is prohibited within buildings or jetties.  
6.4. Transfer of flammable and combustible liquids will not be carried out in the vicinity of open flames or any type of heat-producing devices.  
6.5. Flammable liquids having a flash point below 38°C such as naphtha or gasoline will not be used as solvents or cleaning agents.  
6.6. Flammable and combustible waste liquids, for disposal, will be stored in approved containers located in a safe ventilated area. Quantities are to be kept to a minimum and the Fire Department is to be notified when disposal is required.

**7. Hazardous Substances**

- 7.1. Work entailing the use of toxic or hazardous materials, chemicals and/or explosives, otherwise creates a hazard to life, safety or health, will be in accordance with the National Fire Code of Canada.  
7.2. Where flammable liquids, such as lacquers or urethanes are to be used, proper ventilation will be assured and all sources of ignition are to be eliminated. The Fire Chief is to be informed prior to and at the cessation of such work.

**8. Questions and/or Clarification**

- 8.1.** Direct any questions or clarification on Fire Safety in addition to above requirements to Fire Chief.

**9. Fire Inspection**

- 9.1.** Site inspections by Fire Chief will be coordinated through HRCE Project Manager.
- 9.2.** Allow Fire Chief unrestricted access to the work site.
- 9.3.** Co-operate with the Fire Chief during routine fire safety inspection of the Work site.
- 9.4.** Immediately remedy all unsafe fire situations observed by the Fire Chief.

**10. Reference Standards**

- 10.1.** Where edition date is not specified, consider that references to manufacturer's and published codes, standards and specifications are made to the latest edition, (revision) approved by the issuing organization, current at the date of this Specification.
- 10.2.** Reference standards and specifications are quoted in this Specification to establish minimum standards. Work which in quality exceeds these minimum standards shall be considered to conform.
- 10.3.** Should the Contract Documents conflict with specified reference standards or specifications the General Conditions of the Contract shall govern.
- 10.4.** Where reference is made to manufacturer's directions, instructions or specifications they shall include full information on storing, handling, preparing, mixing, installing, erecting, applying, or other matters concerning the materials pertinent to their use and their relationship to materials with which they are incorporated.
- 10.5.** Have a copy of each code, standard and specification, and manufacturer's directions, instructions and specifications, to which reference is made in this Specification, always available at construction site.
- 10.6.** Standards, specifications, associations, and regulatory bodies are generally referred to throughout the specifications by their abbreviated designations:

AA	The Aluminum Association
AISI	American Iron and Steel Institute
ANSI	American National Standards Institute
ARI	Air Conditioning & Refrigeration Institute
ASTM	American Society for Testing & Materials
CCA	Canadian Construction Association
CGSB	Canadian General Standards Board
CSA	Canadian Standards Association
NSDTIR	Department of Transportation & Infrastructure Renewal, Province of Nova Scotia
IAO	Insurers Advisory Organization
NBC	National Building Code
NFPA	National Fire Protection Association
CANS	Construction Association of Nova Scotia
ULC	Underwriters Laboratories of Canada
WHMIS	Workplace Hazardous Materials Information System

**END OF SECTION 01 41 00**

## SECTION 01 45 00 - QUALITY CONTROL

### 1. Section Includes

- 1.1. Inspection and testing, administrative and enforcement requirements
- 1.2. Tests and mix designs.
- 1.3. Mock-ups.
- 1.4. Mill tests.
- 1.5. Equipment and system adjust and balance.
- 1.6. Verification by affidavits and certificates that specified products meet requirements of reference standards: In applicable Sections of the Specification.
- 1.7. Testing, balancing and adjusting of equipment: In applicable Mechanical and Electrical Sections of the Specification.
- 1.8. Cutting & Patching: Section 01 11 41.

### 2. Related Sections

- 2.1. Section 01 33 00 Submittal Procedures: Submission of samples to confirm product quality.
- 2.2. Section 01 61 00 Material & Equipment: Material and workmanship quality – reference standards.
- 2.3. Section 01 77 00 Contract Closeout.

### 3. REVIEW OF WORK

- 3.1. The Owner shall have access to the Work. If part of the Work is in preparation at locations other than the Place of the Work, access shall be given to such work whenever it is in progress.
- 3.2. Give timely notice to the Owner's Representative, requesting review of the Work as indicated in the Contract Documents.
- 3.3. If the Contractor covers or permits to be covered Work that has been designated for review by the Owner before such is made, uncover such Work, have the review satisfactorily completed and make good such Work at no extra cost to Owner.

### 4. Inspection, Special Tests, Approvals

- 4.1. Engage the services of appropriate inspection testing agencies ensuring the Work meets codes, acts and regulations, and laws in force at the place of Work. Include such costs in the Contract Price.

- 4.2.** Give timely notice requesting inspection to those required to provide inspections, special tests, or approvals, where Work is designated, by the Owner's instructions or the law of the place of Work, for special tests.
- 4.3.** If the Contractor covers or permits to be covered Work that has been designated for special tests, inspections or approvals before such is made, uncover such Work, have the inspections or tests satisfactorily completed and make good such Work at no extra cost to the Owner.
- 4.4.** The Owner may order any part of the Work to be examined if the Work is suspected to be not in accordance with the Contract Documents. If, upon examination such Work is found not in accordance with the Contract Documents, correct such Work and pay the cost of examination and correction. If such Work is found in accordance with the Contractor Documents, the Owner shall pay the cost of examination and replacement.

**5. Independent Inspection Agencies**

- 5.1.** Independent Inspection/Testing Agencies may be engaged by the Owner for the purpose of inspecting and/or testing portions of Work. Cost of such services will be borne by the Owner.
- 5.2.** Provide access to the Work, and equipment required for executing inspection and testing by the appointed agencies.
- 5.3.** Employment of inspection/testing agencies does not relax the Contractor's responsibility to perform Work, or carry out his own inspections and testing in accordance with the Contract Documents.
- 5.4.** If defects are revealed during inspection and/or testing, the appointed agency will request additional inspection and/or testing to ascertain full degree of defect. Correct defect and irregularities as advised by Owner at no cost to the Owner. Pay costs for retesting and reinspection.

**6. Access To Work**

- 6.1.** Allow inspection/testing agencies access to the Work, off site manufacturing and fabrication plants.
- 6.2.** Co-operate to provide reasonable facilities for such access.

**7. Procedures**

- 7.1.** Notify the appropriate agency and Owner in advance of the requirement for tests, in order that attendance arrangements can be made.
- 7.2.** Submit samples and/or materials required for testing, at specifically requested in specifications. Submit with reasonable promptness and in an orderly sequence so as not to cause delay in the Work.
- 7.3.** Provide labour and facilities to obtain and handle samples and materials on site. Provide sufficient space to store and cure test samples.

**8. Rejected Work**

- 8.1.** Remove defective Work, whether the result of poor workmanship, use of defective products or damage and whether incorporated in the Work or not, which has been rejected, including (but not limited to) defective Work rejected by the Owner as failing to conform to the Contract Documents. Replace or re-execute in accordance with the Contract Documents.
- 8.2.** Make good other Contractor's work damaged by such removals or replacements promptly.
- 8.3.** If in the opinion of the Owner, it is not expedient to correct defective Work or Work not performed in accordance with the Contract Documents, the Owner may deduct from the Contract Price the difference in value between the Work performed and that called for by the Contract Documents, the amount of which shall be determined by the Owner.

**9. Reports**

- 9.1.** Submit four (4) copies of inspection and test reports to the Owner.
- 9.2.** Provide copies to Contractor's Consultant and Subcontractor of Work being inspected or tested.

**10. Tests and Mix Designs**

- 10.1.** Furnish test results and mix designs as may be requested.
- 10.2.** The cost of tests and mix designs beyond those called for in the Contract Documents or beyond those required by law of the Place of Work shall be appraised by the Owner and may be authorized as recoverable.

**11. Mock-Up**

- 11.1.** Prepare mock-up for Work for each finish in the Work and other work specifically requested in the specifications. Include for Work of all Sections required to provide mock-ups.
- 11.2.** Construct in all locations as specified in specific Section.
- 11.3.** Prepare mock-up for Owner's review with reasonable promptness and in an orderly sequence, so as not to cause any delay in the Work.
- 11.4.** Failure to prepare mock-up in ample time is not considered sufficient reason for an extension of Contract Time and no claim for extension by reason of such default will be allowed.
- 11.5.** If requested the Owner will assist in preparing a schedule fixing the dates for preparation.
- 11.6.** Mock-ups may remain as part of the Work, unless specified otherwise in the Contract Documents.

**12. Mill Tests**

- 12.1.** Submit mill test certificates as may be requested.

**13. Equipment And Systems**

- 13.1.** Submit adjustment and balancing reports for mechanical, electrical and building equipment systems.
- 13.2.** Refer to Contract Documents for definitive requirements.

**END OF SECTION 01 45 00**



## **SECTION 01 52 00 – CONSTRUCTION & TEMPORARY FACILITIES**

### **1. General**

- 1.1. Include in the Work construction and temporary facilities required as construction aids or by jurisdictional authorities or as otherwise specified. Install to meet needs of construction as Work progresses. Maintain construction and temporary facilities during use, relocate them as required by the Work, remove them at completion of need and make good adjacent Work and property affected by their installation.
- 1.2. Include in the Work construction and temporary facilities to provide for construction safety such as: fences, barricades, bracing, supports, storage, sanitation and first aid facilities, fire protection, stand pipes, electrical supply, construction equipment with its supports and guards, stairs, ramps, platforms, runways, ladders, scaffolds, guardrails, temporary flooring, rubbish chutes, and walkway, morality and guard lights, and as otherwise required of the Constructor by the Construction Safety Act, of the Province of Nova Scotia, as well as all other applicable regulations or jurisdictional authorities.
- 1.3. Construct temporary Work of new materials unless use of second-hand materials is approved.
- 1.4. Ensure that structural, mechanical, and electrical characteristics of temporary facilities are suitable and adequate for use intended. Be responsible that no harm is caused to persons and property by failure of temporary facilities because of placing, location, stability, protection, structural sufficiency, removal, or any other cause.
- 1.5. Locate temporary facilities as directed and coordinated with School Administration and HRCE.
- 1.6. Relocate construction and temporary facilities as required by the Progress of the Work, and remove at completion of Work.
- 1.7. Do not permit construction personnel to use new washroom and toilet facilities.
- 1.8. Interior work zones to be complete with temporary negative air ventilation units to be functioning at all times to control dust migration to occupied areas.
- 1.9. Refer also to HRCE Policies & Guidelines contained in Appendix A of Section 01 35 13.

### **2. Services**

- 2.1. Temporary Electric Power:
  - 2.1.1. The Contractor will provide a source of electric power for all construction purposes.
  - 2.1.2. Coordinate with the Building Operator locations of power sources and arrange to connect under his direction.
  - 2.1.3. Install electric service distribution conductors and necessary components. Determine anticipated demand which will be placed on service during normal peak periods and obtain approval on this basis before making installation. Supply power of characteristics required by the Work. Install a power centre for miscellaneous tools

and equipment for each major building floor area with distribution box, a minimum of four 20 amp grounded outlets, and circuit breaker protection for each outlet. Make connections available to any part of the Work within distance of a 100'-0" extension.

2.2. Temporary Lighting:

2.2.1. Install lighting for

2.2.1.1. emergency evacuation, safety and security throughout the Project at intensity levels required by jurisdictional authorities.

2.2.1.2. performance of Work throughout Work areas as required, evenly distributed, and at intensities to ensure that proper installations and applications are achieved.

2.2.1.3. performance of finishing Work in areas as required, evenly distributed and of an intensity of at least 15 foot candles.

2.2.2. Permanent fluorescent lighting may be used during construction, provided that fixtures, lamps and lenses are completely cleaned. Incandescent sources may be used during construction to the extent of 20% of the total. Electrical Division Contractor to provide 20% spare lamps to the Owner for replacement purposes.

2.3. Temporary Sanitary Facilities:

2.3.1. Provide sanitary facilities for persons on the Work site. Facilities in areas of the building are only to be used under extraordinary circumstances and with prior approval.

2.4. Maintain fire protection as required by jurisdictional authorities. The Contractor is responsible for de-activating and re-activating Fire Alarm zones as required by the Work of the Contract and to maintain protection in the existing building.

**3. Construction Aids**

3.1. Hoists & Cranes:

3.1.1. Select, operate and maintain hoisting equipment and cranes as may be required. Operate such equipment only by qualified hoist or crane operators. Make hoist available for Work of each Section.

3.2. Building Enclosure:

3.2.1. Include in Work temporary enclosure for building as required to protect it, in its entirety or in its parts, against the elements, to maintain environmental conditions required for Work. Design enclosures to withstand wind pressures required for the

building by jurisdictional authorities. Erect enclosures to allow complete accessibility for installation of materials during the time enclosures remain in place.

**3.3. Scaffolding:**

3.3.1. Each user of scaffolding shall be responsible for its examination and testing for sufficiency before using it. He shall make it secure if necessary, or shall notify the Contractor in writing that he will not commence work until it is made secure; otherwise he will be held responsible for accidents due to its insufficiency.

**4. Barriers**

- 4.1. Install barricades for traffic control, and to prevent damaging traffic over exterior and interior finished areas, as well as safety barricades and otherwise, as may be required.
- 4.2. Construct hoardings and walkways as required by HRCE or jurisdictional authorities.

**5. Protection**

- 5.1. Protect roofs and podiums by substantial temporary construction to ensure that no damage occurs. Provide protection by materials of sufficient thickness to prevent all damage to structure and finish, and to waterproofing qualities of membranes, whenever each of these individual components are exposed. Damage shall include harm resulting from all construction work, such as falling objects, wheel and foot traffic, failure to remove debris, operation of machinery and equipment, and scaffolding and hoisting operations. Positively secure protection to prevent displacement from any cause.
- 5.2. Box with wood or otherwise protect from damage, by continuing construction, finished sills, jambs, corners, and the like.

**END OF SECTION 01 52 00**

## **SECTION 01 61 00 - MATERIAL & EQUIPMENT**

### **1. General**

- 1.1.** Products refer to materials, manufactured components and assemblies, fixtures and equipment incorporated in the Work.
- 1.2.** Use only products of Canadian manufacture unless such products are not manufactured in Canada, are specified otherwise, or are not competitive.
- 1.3.** Products for use in the Project and on which the Tender was based shall be in production at that time, with a precise model and shop drawings available for viewing.
- 1.4.** Where equivalent products are specified, or where alternatives are proposed under "substitution of products", these products claimed by the Contractor as equivalent shall be comparable in construction, type, function, quality, performance, and, where applicable, in appearance, as approved. Where specified equivalents are used in the tendered bulk sum price for the Work, they shall be subject to final approval.
- 1.5.** Incorporate products in the Work in strict accordance with manufacturers' directions unless specified otherwise.
- 1.6.** Products delivered to the Project site for incorporation in the Work shall be considered the property of the Owner. Maintain protection and security of products stored on the site after payment has been made for them.
- 1.7.** Do not install permanently incorporated labels, trademarks and nameplates, in visible locations unless required for operating instructions or by jurisdictional authorities.

### **2. Specified Products**

- 2.1.** Products specified by manufacturer's name, brand name or catalogue reference shall be the basis of the bid and shall be supplied for the Work without exception in any detail, subject to allowable substitutions as specified.
- 2.2.** Where several proprietary products are specified, any one of the several will be acceptable.
- 2.3.** For products specified by reference standards, the onus shall be on the supplier to establish that such products meet reference standard requirements. The Architect may require affidavits from the supplier, as specified in Section 01 33 00, or inspection and testing at the expense of the supplier, or both, to prove compliance. Products exceeding minimum requirements established by reference standards will be accepted for the Work if such products are compatible with and harmless to Work with which they are incorporated.

**Substitution Of Products During Progress Of Work**

- 2.4.** Products substituted for those specified or approved, or both, shall be permitted only if the listed product cannot be delivered to maintain construction schedule and if the delay is caused by conditions beyond the Contractor's control.
- 2.5.** Obtain approval for substitutions. Application for approval of substitutions shall be made only by Contractor. Process proposals for substituted Work in accordance with procedures established for changes in the Work.
- 2.6.** Submit, with request for substitution, documentary evidence that substituted products are equal to, or superior to, approved products, and a comparison of price and delivery factors for both specified or approved products, and proposed substitute.
- 2.7.** Ensure that substituted products can be both physically and dimensionally incorporated in the Work with no loss of intended function, performance, space or construction time, and that spare parts and service are readily available. The Contractor shall be responsible for additional installation costs, including architectural and engineering fees, required by incorporation of substituted products, and for adaptations made otherwise necessary to ensure that above requirements are satisfied.

**3. Product Handling**

- 3.1.** Manufacture, pack, ship, deliver and store products so that no damage occurs to structural qualities and finish appearance, nor in any other way detrimental to their function or appearance, or both.
- 3.2.** Ensure that products, while transported, stored or installed, are not exposed to an environment which would increase their moisture content beyond the maximum specified.
- 3.3.** Schedule early delivery of products to enable Work to be executed without delay. Before delivery, arrange for receiving at site.
- 3.4.** Deliver package products, and store until use, in original unopened wrapping or containers, with manufacturer's seals and labels intact.
- 3.5.** Label packaged products to describe contents, quantity and other information as specified.
- 3.6.** Product handling requirements may be repeated and additional requirements specified, in other Sections.

**4. Storage & Protection**

- 4.1.** Coordinate material delivery to ensure that areas within or on building are available to receive them.

- 4.2.** Store manufactured products in accordance with manufacturer's instructions, when such instructions are attached to products or submitted by him.
- 4.3.** Store finished products and woodwork under cover at all times.
- 4.4.** Store and handle flammable liquids and other hazardous materials in approved safety containers and as otherwise prescribed by safety authorities. Store no flammable liquids or other hazardous materials in bulk within the Project.
- 4.5.** Storage and special protection requirements may be repeated, and additional requirements specified, in other Sections.

**5. Defective Products & Work**

- 5.1.** Products and Work found defective; not in accordance with the Specifications; or defaced or injured through negligence of the Contractor, his employees or subcontractors, or by fire, weather or any other cause will be rejected for incorporation in the Work.
- 5.2.** Remove rejected products and Work from the premises immediately.
- 5.3.** Replace rejected products and Work with no delay after rejection. Provide replacement products and execute replacement Work precisely as required by the Specification for the defective Work replaced. Previous inspection and payment shall not relieve the Contractor from the obligation of providing sound and satisfactory Work in compliance with this Project Manual.

**6. Workers, Suppliers & Subcontractors**

- 6.1.** Assign Work only to workers, suppliers, and Subcontractors who have complete knowledge, not only of the conditions of this Project Manual, but of jurisdictional requirements, and reference standards and specifications.
- 6.2.** Give preference to use of local workers, suppliers, and Subcontractors wherever possible.

**7. Workmanship**

- 7.1.** Unless otherwise specified in a more detailed manner, workmanship shall be of the highest quality recognized by trade executing the Work in accordance with standard practices, by the best methods recommended by the manufacturer of the Product, and as approved by the Architect.

**END OF SECTION 01 61 00**

## **SECTION 01 77 00 – CONTRACT CLOSEOUT**

### **1. Section Includes**

- 1.1.** Final cleaning.
- 1.2.** Spare parts and maintenance materials.
- 1.3.** Take over procedures.

### **2. Related Sections**

- 2.1.** Individual Specifications Sections: Specific requirements for operation and maintenance data.

### **3. Final Cleaning**

- 3.1.** Refer to the General Conditions of Contract.
- 3.2.** Before final inspection, replace glass and mirrors broken, damaged and etched during construction, or which are otherwise defective.
- 3.3.** In addition to requirements for cleaning-up specified in General Conditions of the Contract, include in Work final cleaning by skilled cleaning specialists on completion of construction.
- 3.4.** Remove temporary protections and make good defects before commencement of final cleaning.
- 3.5.** Remove waste products and debris other than that caused by the Owner, other contractors or their employees, and leave the Work clean and suitable for occupancy by Owner.
- 3.6.** Remove surplus products, tools, construction machinery and equipment. Remove waste products and debris other than that caused by the Owner or other Contractors.
- 3.7.** Clean and polish glass, mirrors, hardware, wall tile, stainless steel, chrome, porcelain enamel, baked enamel, plastic laminate, mechanical and electrical fixtures. Replace broken, scratched or disfigured glass.
- 3.8.** Remove stains, spots, marks and dirt from decorative work, electrical and mechanical fixtures, furniture fitments, walls, and floors and ceilings.
- 3.9.** Vacuum clean and dust building interiors, behind grilles, louvres and screens as affected by Work.
- 3.10.** Wax, seal, shampoo, buff or prepare floor finishes, as recommended by the manufacturer. Use products compatible with products used by building maintenance staff.
- 3.11.** Broom clean and wash all horizontal and vertical surfaces as affected by Work.
- 3.12.** Clean up and make good exterior grades, lawns, planting and surfaces after removal of temporary access and facilities.
- 3.13.** Removing of visible labels left on materials, components, and equipment.
- 3.14.** Maintain cleaning until Owner has taken possession of building or portions thereof.

**4. Spare Parts And Maintenance Materials**

- 4.1.** Spare parts and maintenance materials provided shall be new, not damaged or defective, and of the same quality and manufacture as Products provided in the Work. If requested, furnish evidence as to type, source and quality of Products provided.
- 4.2.** Defective Products will be rejected, regardless of previous inspections. Replace products at own expense.
- 4.3.** Store spare parts and maintenance materials in a manner to prevent damage, or deterioration.
- 4.4.** Provide spare parts, special tools, maintenance and extra materials in quantities specified in individual specification Sections.
- 4.5.** Provide items of same manufacture and quality as items in the Work.

**5. Demonstration Of Systems & Equipment**

- 5.1.** Give a complete demonstration of all systems and equipment in the presence of the Consultant at the following times:
- 5.2.** When each is 100% completed at the request of the Contractor.
- 5.3.** At time of inspection to validate final completion.
- 5.4.** At final completion for the benefit of the maintenance staff for the Project.
- 5.5.** Responsible personnel representing the Subcontractor responsible for the Work being demonstrated shall be present at each demonstration.

**6. Submittals**

- 6.1.** Submit with application for substantial performance certificate.
  - 6.1.1.** Certificate of Substantial Performance inspection report from electrical utility or inspection.
  - 6.1.2.** Certificate of verification of fire alarm system.
  - 6.1.3.** Certificate from the Fire Marshal's Office and I.A.O. of final inspection of sprinkler system.
  - 6.1.4.** Air balance reports.
  - 6.1.5.** Other reports required or specified.
  - 6.1.6.** Maintenance Manuals and Operating Instructions.
- 6.2.** Submit with application for release of final payment:
  - 6.2.1.** Final project record drawings.
  - 6.2.2.** Extra stock.
  - 6.2.3.** Performance bonds which shall remain in effect for one (1) year after take-over date.
  - 6.2.4.** Completed Liability Insurance Policy extended for one (1) year from take-over date.
  - 6.2.5.** Written guarantee covering all workmanship and materials used in the Work.
  - 6.2.6.** Maintenance bonds as specified.
  - 6.2.7.** Extended Warranties as specified



**6.2.8.** Certificate from Workers' Compensation Board.

**6.2.9.** Certificate from Health Services Tax Division.

## **7. Final Inspection Procedures**

**7.1.** Schedule, make arrangements for and administer final inspections and close out in the following stages.

**7.2.** Contractor's Inspection:

**7.2.1.** Determination that Project meets requirements for substantial performance and inspection is the responsibility of the Contractor.

**7.2.2.** The Contractor and all Subcontractors shall conduct an inspection of the work, identify deficiencies and defects; repair as required. Notify the Consultant in writing of satisfactory completion of the contractor's Inspection and that corrections have been made. Request a Consultant's Substantial Performance Inspection.

**7.3.** Consultant's Inspection: Consultants and the Contractor will perform an inspection of the Work to identify obvious defects or deficiencies. The contractor shall correct Work accordingly.

**7.4.** Substantial Performance Inspection:

**7.4.1.** When the items noted above are complete, request a substantial performance inspection of the Work by the Consultant, and the Contractor. If Work is deemed incomplete by the Consultant, complete the outstanding items and request a re-inspection.

**7.4.2.** Substantial performance inspections shall be scheduled to begin within eight working days of the Contractor's request.

**7.4.3.** Present at the substantial performance inspection will be:

**7.4.3.1.** The Consultant and his Sub-consultants that he requires and notifies.

**7.4.3.2.** The Owner's representatives, upon notification by the Consultant.

**7.4.3.3.** The Contractor and such Subcontractors that he considers are required.

**7.4.3.4.** The Contractor will compile a substantial performance deficiency list at this inspection and issue it to the Consultant and Owner.

**7.4.3.5.** The Contractor shall correct substantial performance deficiencies before a date agreed upon by the Contractor and Consultant.

**7.4.3.6.** Upon the Consultant's approval of substantial performance, the Contractor shall submit an application for a substantial performance certificate.

**7.4.3.7.** When the Contractor has satisfied himself that these corrections have been completed in a satisfactory manner by his inspection he shall schedule a final Contractor's inspection by the Consultant, and the Owner's representatives if required, within five working days of the Contractor's request.

**7.4.3.8.** Upon the Consultant's approval of completion, the Contractor shall submit an application for a completion certificate.

**8. Substantial Performance**

- 8.1.** The Consultant will issue a Certificate of Substantial Performance when satisfied outstanding deficiencies noted during inspections prior to the Substantial Performance inspection have been corrected, the Work is substantially complete and is so certified by the Owner.
- 8.2.** A list of remaining deficiencies to be rectified before final acceptance will be attached to the Certificate of Substantial Performance.
- 8.3.** Make submissions specified in Subparagraph 1.06 of this Section.

**9. Certificate For Release Of Amount Due At Substantial performance**

- 9.1.** The Consultant will issue to the Owner a certificate for release of money in an amount equal to the amount due the Contractor under the Contract Documents provided the Consultant is satisfied the Work has been substantially completed.
- 9.2.** The certificate shall indicate the date of substantial performance.
- 9.3.** Payment shall be due in accordance with GC 5.4 and the Contract Documents.

**10. Completion Certificate**

- 10.1.** The Consultant will issue a Certificate of Completion (DSS Document DC670-92) when he is satisfied that outstanding deficiencies noted during inspections have been corrected and the Work is completed and is so certified by the Owner.
- 10.2.** The date of the completion certificate will commence the required sixty (60) day period before release of final payment.

**11. Certificate For Release Of Final Payment**

- 11.1.** Subject to the provisions of the Contract Documents, the Consultant will issue to the Owner a certificate for release of final payment sixty (60) days after date of completion certificate providing he is satisfied the Work has been completed.
- 11.2.** The certificate will be in an amount equal to the remaining money due the Contractor under the Contract, and shall indicate the date of final completion.
- 11.3.** Payment shall be due upon date of final completion.

**12. Warranties**

- 12.1.** Establishment of Warranties:
  - 12.1.1.** Warranties shall commence on the Ready-for-Takeover date.
- 12.2.** Warranty Period:
  - 12.2.1.** The Owner will advise the Consultant of defects observed during warranty periods.

- 12.2.2.** The Consultant will notify the Contractor of defects observed during warranty period and request him to remedy the defects in accordance with the Contractor documents.
- 12.2.3.** Thirty (30) days before expiration of warranties the Owner's representatives, the Consultant and the Contractor will inspect the Work as arranged by the Contractor noting defects of products and workmanship.
- 12.2.4.** The Contractor shall immediately remedy such noted defects.

**END OF SECTION 01 77 00**

## CONTRACTOR'S CHECKLIST

### Pre-Closing Reminder to Proponents:

- This Request for Proposals (RFP) is a **two-file process**.  
Please ensure that the submission instructions are followed carefully as noted in Section 00 21 13 – Information to Proponents to ensure your submission is compliant.
- Required Bid Security – (10% of the Contract price before HST)
- Please include a copy of your bid security in with your Price Submission file.
- Please submit your proposal to the submission email address: [hrcetenders@hrce.ca](mailto:hrcetenders@hrce.ca)
- The HRCE will use the CCDC-2, 2020 for this work. A copy of the Standard Construction Contract CCDC 2 – 2020 is available upon request and will form part of the contract documents.
- The HRCE Supplementary General Conditions for the CCDC-2, 2020 applicable for this work is available for review under Section 0073 00 of the RFP document.

### Post Award Document Requirements:

- Certificate of Recognition from a safety audit organization, jointly signed with the WCB.
- Workers' Compensation Board Letter of Good Standing.
- Contract Security documentation – if required
- Insurance Certificate – As identified in the RFP.
- Schedule of Values
- Site Specific Safety Plan
- Hazard Assessment
- Listing of subcontractors
- Warranty information

The award letter will list the specific documents required and provide a submission timeframe.

A purchase order will be issued only after receipt of all required items.

**Work is not authorized until purchase order is issued.**

**PROJECT EXPERIENCE AND REFERENCES FORM**

Project #1 – The most recent HRCE project, if applicable.

<b>Company Name</b>	
<b>Brief Project Description</b>	
<b>Project Manager Name</b>	
<b>Project Dollar Value \$</b>	
<b>Reference Name and Position Title</b>	
<b>Reference Contact Info</b>  - Email Address  - Phone Number	

**PROJECT EXPERIENCE AND REFERENCES FORM**

Project #2 – The next most recent HRCE project, if applicable

<b>Company Name</b>	
<b>Brief Project Description</b>	
<b>Project Manager Name</b>	
<b>Project Dollar Value \$</b>	
<b>Reference Name and Position Title</b>	
<b>Reference Contact Info</b>  - Email Address  - Phone Number	

**PROJECT EXPERIENCE AND REFERENCES FORM**

Project #3 – Any recent project

<b>Company Name</b>	
<b>Brief Project Description</b>	
<b>Project Manager Name</b>	
<b>Project Dollar Value \$</b>	
<b>Reference Name and Position Title</b>	
<b>Reference Contact Info</b>  - Email Address  - Phone Number	

## PROJECT SAFETY PLAN OUTLINE

During the planning of each project, environmental and occupational health and safety issues will be assessed like any other key project component.

Prior to beginning a new project, tendering contractors shall examine the work area to identify potentially hazardous site specific situations.

Once identified, these hazards should be prioritized on this Hazard Assessments/Project Safety Plan Outline and corrective *actions* noted to eliminate or control each hazard. The dates of when and names of the persons who are responsible for completing the *action* should also be assigned.

Copies of the completed Safety Plan Outline shall be submitted post award, sent to the HRCE Operations Services Regional Manager, made available on the job site and communicated to the workers.

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Project Name:

\_\_\_\_\_

Project Location:

\_\_\_\_\_

Project Start date:

\_\_\_\_\_

Project End date:

\_\_\_\_\_

Company Name:

\_\_\_\_\_

Completed by:

\_\_\_\_\_

(Contractor's project manager)

Date:

\_\_\_\_\_

Copy to:

\_\_\_\_\_



### **PLANNING:**

Does the Contractor's Occupational Health and Safety Program deal with the work activities associated with this project? ☐ Yes ☐ No

Describe tasks to be undertaken: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### **HAZARDS ASSESSMENT:**

Identify the hazards that could present themselves on this project (e.g. live electrical wires, over water, confined space, etc) and describe what steps will be taken to prevent an incident (e.g. cover up, de-energize, safe work practices, netting, etc). Prioritize from #1 as needing immediate action.

#	Hazard	Required Action	Completed by	Date
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

**ENVIRONMENTAL ASSESSMENT:**

Identify the environmental issues that could present themselves on this project (e.g. oil spills, asbestos, etc.) and describe the action that will be taken to eliminate or reduce the risk of occurrence (e.g. mop kits, air sampling, etc.)

#	Hazard	Required Action	Completed by	Date
1				
2				
3				
4				
5				

**EMERGENCY RESPONSE:**

In the event of an incident, pre-plan the response and write up the procedures. Minimally, the following list should be completed and posted on site:

Contact	Phone #	Contact	Phone #
Fire	911	Poison Control	902-470-8161
Ambulance	911	Dangerous Goods	1-888-226-8832
Doctor	911	Waste Disposal	311
Police	911	Insurance	
HRCE Office	902-464-2000	Min/Dept of Labour	1-844-424-5301
Min./Dept.of Transport.	(902) 424-2297	Min/Dept of Environment	1-800-565-1633

- Identify and arrange source of first aid, ambulance and rescue.
- Accidents will be reported to: \_\_\_\_\_
- Accidents will be investigated by: \_\_\_\_\_
- Back-up call to: \_\_\_\_\_
- HRCE # emergency/after hours: day 902-464-2000 after 4:00 pm 902-442-2476

**SAFETY MEETINGS:**

On this project, given the nature of the work and the anticipated size of the work force, the following frequency will apply:

Site meetings \_\_\_\_\_

Site Audits \_\_\_\_\_

Follow up with HRCE Manager: \_\_\_\_\_

**SITE IMPLEMENTATION:**

- Health and Safety Rep & Safety Committee:  
Establish liaison between HRCE, contractor, site administration First Aid, PPE, other safety items as required.
- Documentation:  
Applicable MSDS Safety program  
Applicable work procedures Permits  
First Aid Certification

**TRAINING:**

The following training/testing will be mandatory on

site: 1) \_\_\_\_\_

\_\_\_\_\_

2) \_\_\_\_\_

\_\_\_\_\_

3) \_\_\_\_\_

\_\_\_\_\_

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**1 General****1.1 GENERAL REQUIREMENTS**

- .1 Comply with requirements listed in Division 1

**1.2 RELATED WORK**

- .1 Steel Hollow Metal Doors Section 08 11 00

**1.3 REFERENCE STANDARDS**

- .1 Standard hardware location dimensions in accordance with Canadian Metric Guide for Steel Doors and Frames (Modular Construction) prepared by Canadian Steel Door and Frame Manufacture's Association.
- .2 CAN/CGSB-69.18-M90/ANSI/BHMAA156.1-1981, Butts and Hinges.
- .3 CAN/CGSB-69.19-M89/ANSI/BHMAA156.3-1984, Exit Devices.
- .4 CAN/CGSB-69.20-M90/ANSI/BHMAA156.4-1986, Door Controls (Closers).
- .5 CAN/CGSB-69.21-M90/ANSI/BHMAA156.5-1984, Auxiliary Locks & Products.
- .6 CAN/CGSB-69.22-M90/ANSI/BHMAA156.6-1986, Architectural Door Trim.
- .7 CAN/CGSB-69.24-M90/ANSI/BHMAA156.8-1982, Door Controls - Overhead Holders.
- .8 CAN/CGSB-69.29-M90/ANSI/BHMAA156.13-1980, Mortise Locks and Latches.
- .9 CAN/CGSB-69.34-M90/ANSI/BHMAA156.18-1984, Materials and Finishes.
- .10 CAN/CGSB-69.34-M89/ANSI/BHMAA156.19-1984, Power Assist and Low Energy Power Operated Doors.

**1.4 QUALITY ASSURANCE**

- .1 Meet all requirements of the local building code and all other applicable regulations.
- .2 Products listed in Part 2 of this specification establish the minimum requirements for this project. Approval for alternate products must be requested in writing seven (7) days prior to tender closing date. Deviation from specified products will require the supply and installation of correct products, any/all associated costs.

## **1.5 REQUIREMENTS REGULATORY AGENCIES**

- .1 Use ULC/ULI listed and labeled hardware for doors in fire separations and exit doors.

## **1.6 SUBMITTALS**

- .1 Alternate products must be submitted 5 days prior to tender closing for approval.
- .2 Prepare and submit three (3) copies of a detailed hardware schedule listing product numbers size and finishes. Include three (3) sets of catalog cuts.
- .3 Furnish other sections with two (2) complete sets of hardware templates for related fabricating and installation.
- .4 Submit for owner review and comments two (2) key schedules listing the door number, hardware heading or item, and the key group.
- .5 Where electrical hardware is to be supplied, provide wiring diagrams showing all wire termination points. Where electrical hardware is to be supplied and installed provide the contractor with riser diagrams listing the correct wire runs and back box sizes as well as 115 VAC requirements.

## **1.7 SAMPLES**

- .1 Submit samples in accordance with Section 01 33 00 - Shop Drawings, Product Data, Samples.
- .2 Identify each sample by label indicating applicable specification paragraph number, brand name and number, finish and hardware package number.
- .3 After approval samples will be returned for incorporation into the Work.

## **1.8 PRODUCT DELIVERY, HANDLING, AND STORAGE**

- .1 Deliver each hardware item in its original package complete with all fasteners, keys, templates, and installation instructions required for installation.
- .2 Clearly mark each container with the door opening number and the hardware schedule item or heading number.
- .3 The contractor must store hardware delivered in a secure area. The storage area must contain adequate shelf space to hold all the hardware off the floor. Ensure the area is kept dry and clean.
- .4 When requested, package items of hardware separately for delivery to other fabricators for their installation.

## **1.9 SITE INSTRUCTION**

- .1 Manufacturers of products supplied to this project are to provide a site instruction to the finishing hardware installers, detailing how each of their products are to be installed. This instruction is to provide a thorough knowledge of the product and its function prior to installation.

- .2 Each manufacturer of product supplied to this project is to provide the end user with a product seminar, combining function, servicing and trouble-shooting. Furnish the end user with service/parts manuals and instructions for each product used on site.

### **1.10 MAINTENANCE DATA**

- .1 Provide operation and maintenance data for door closers, lock sets, door holders and fire exit hardware for incorporation into manual specified in Section 01730 Operation and Maintenance Manual.
- .2 Brief maintenance staff regarding proper care, cleaning, and general maintenance.

### **1.11 MAINTENANCE MATERIALS**

- .1 Supply two sets of wrenches for door closers lock sets and fire exit hardware.

### **1.12 WARRANTY**

- .1 Provide a written warranty for a period of one (1) year for all hardware supplied, 5 years on cylindrical locks and 10 year on door closers (lifetime on closer shell).

## **PART 2**

## **PRODUCTS**

### **2.1 BUTT HINGES**

- .1 All butt type hinges will be five knuckle ball bearing.
- .2 Exterior out swing doors must be non-ferrous and have non-removable pins (NRP).
- .3 Where the door width exceeds 3'0" (914mm) supply 5" (127) high hinges.
- .4 Supply two (2) hinges for doors up to 5'0" (1525 mm) high and an additional hinge for each 2'5" (760 mm) or fraction thereof in door height.
- .5 Specified Products: Mont-Hinge BB1079

### **2.2 CENTER HUNG PIVOTS**

- .1 Center hung pivots will be "Camtrol" double- acting type, with surface mounted floor pivot, and frame mounted head pivot, that can bear up to 100 lbs per door.

- .2 Pivot set shall have steel anchor arms and complete pivot housing for door thickness of 1 ¾", and door width up to 44".
- .3 Camtrol pivot shall have only three moving parts in each pivot, and allows snug application without rounding door edge.
- .4 Specified products: Hager

## **2.3 CONTINUOUS HINGES**

- .1 All full height hinges must be knuckle type with nylon bearings between each knuckle.
- .2 Supply an aluminum hinge for out swinging exterior doors and a steel hinge for all labeled and interior doors.
- .3 Specified products: Gallery Specialty Hardware CH931/CH941

## **2.4 LOCKS AND LATCHSETS**

- .1 Locksets and latchsets are to be cylindrical, lever type, and meet ANSI Grade 1 or 2, A117.1 Accessibility, and ULC requirements.
- .2 Lever trim must have concealed through bolt mounting, and the levers are to be solid cast with a return to the door face. All locks are to have heavy duty cast mounting plates, threaded hub and locking nut, and stainless steel interlocking spindle.
- .3 Provide ¾" latch throw for pairs of labeled doors.
- .4 All locksets and cylinders supplied for this project must have 6-pin cores, master keyed as directed.
- .5 Specified products: Schlage ND-P-OME Series / AL-P-OME Series

## **2.5 EXIT DEVICES**

- .1 All exit devices will be low profile push pad style devices. Outside trim will have the same trim design as the locksets. Furnish all devices in dull chrome plated finish. Exit hardware must have the correct life safety or fire rated labels attached to the active case. Ensure that the actuating push pad covers 1/2 of the door opening.
- .2 Exit devices installed on exterior doors must have dead-locking latch bolts to ensure tamper-proof security.
- .3 Where pairs of double egress doors are detailed to have two (2) vertical rod exit devices, provide fire labeled devices less bottom rods.
- .4 Specified products: Von Duprin 98 / 9827 Series



## **2.7 DOOR CLOSERS**

- .1 Door closers will all have full adjustment features including back check, closing speed, and latch speed control.
- .2 All interior door closers will have reduced opening force spring power to meet the barrier free codes of 22N (5 lbs.)
- .3 Surface mounted door closers are to be located on the room side of the door whenever possible or as directed by the architect.
- .4 Provide all mounting plates for door closers required for use with concealed overhead door stops.
- .5 Door closers are to have full body covers to match the project finishes. Installation instructions must be inside all door closer covers.
- .6 At high abuse and exterior door locations door closers shall be equipped with a rigid main arm c/w shock absorbing spring located in the soffit plate. Alternately furnish these doors with a grade one closer and separate overhead doorstop.
- .7 Specified products: LCN 4011 / 4021 / 4031 Series

## **2.8 ELECTROMAGNETIC LOCKS**

- .1 Furnish Electromagnetic locks to exceed ANSI/BHMA A156.23 Grade 3 standards, and listed by Underwriters Laboratories Canada where required. Electromagnetic locks are to have fully automatic voltage selection, modular design, and armature housing which holds the armature in place, eliminating noise and sagging.
- .2 It is the responsibility of the finishing hardware supplier to provide Riser Diagrams, Point to Point Diagrams and method of operation notes for each of the openings utilizing these products.
- .3 Specified products: Locknetics 320+ Series

## **2.9 DOOR OPERATORS**

- .1 Door operators will be supplied and installed by this section. The operator must include hydraulic door control features including back check and latch speed. Wiring / electrical connection will be by Division 16, Electrical, and include hook up of all wire runs and all hook up to related releasing hardware (i.e.: electric strike/mag lock).
- .2 Supply the activating switches as required to suit the details shown in elevation or as listed in the hardware schedule.
- .3 Specified products: LCN9540 Series

## **2.10 PULLS AND PLATES**

- .1 Supply door trim as listed in the hardware schedule. Pulls are supplied with back to back (BTB) or through bolt mounting as required. When push plates are listed with door pulls, install the push plate to conceal the through bolt.
- .2 All kickplates, push plates, and bumper plates must have all sides beveled and corners rounded to ensure there are no sharp edges. Supply plates with tape mounting or if screws are listed, with counter sunk screw holes. The plates will be .050 thick unless listed otherwise, and sized to suit door width. Kickplate will be door width less 1.5" (35 mm) for single doors, and less 1" (25 mm) for pairs of doors.
- .3 Specified products: Ives, Gallery Specialty Hardware

## **2.11 DOOR STOPS AND HOLDERS**

- .1 Wall stops are only to be used on proper wall conditions such as block or masonry. Supply floor stops with sufficient height to suite the floor condition or undercut of doors.
- .2 Overhead stops and holders will be surface mounted unless there is a conflict with door closers or other hardware.
- .3 Electromagnetic door holders will be heavy duty, tri-voltage, standard profile, and recessed wall mount.
- .4 Specified products: Gallery Specialty Hardware, Glynn-Johnson, LCN

## **2.12 DOOR SEALS**

- .1 Perimeter seals must be supplied to fully cover all gaps between the door, frame, and floor condition to seal against weather, sound, or smoke.
- .2 Frame gasketing must be closed cell neoprene. The extruded housing must have a rib to prevent distortion during installation. Aluminum frames will be equipped with felt inserts by the frame supplier.
- .3 Door bottoms will be heavy duty and have an adjustment screw to ensure proper contact with the floor. Supply the correct drop insert for carpet where required.
- .4 Thresholds must be installed to ensure the door bottom makes full contact. Supply thermally broken thresholds for all exterior door openings.
- .5 Specified products: Unique Weatherstrip & Thresholds

## **2.13 KEYING**

- .1 Door locks, cylinders, and cabinet locks to be keyed under a new factory registered Grand Master key system, using a Schlage Security Everest "D" Registered Keyway. Prepare a detailed keying schedule showing all doors grand master keyed, master keyed, keyed differently, keyed alike or keyed alike in groups as directed, and in conjunction with the owner's representative.
- .2 Provide three (3) keys for every lock and cylinder in this contract.
- .3 Provide three (3) Master keys for every MK and GMK group in this contract.
- .4 Stamp keying code numbers on all keys and cylinders supplied.
- .5 Provide temporary construction cylinders during building construction.
- .6 Provide all permanent lock cylinders and keys to Owner's representative on site.

## **PART 3 EXECUTION**

### **3.1 INSPECTION**

- .1 The Architectural Hardware Consultant (A.H.C.) supplying hardware for this project shall inspect all the door openings to ensure that hardware installation is complete, and that all hardware items are installed and operating as intended.
- .2 A written report is to be furnished to the Contractor, Architect & Owner detailing each opening in need of corrective action. A final inspection will be required to confirm satisfactory operation.

### **3.2 INSTALLATION**

- .1 The general contractor shall obtain a copy of ANSI/DHI A115.1G-94, "Installation Guide for Doors and Hardware". It is the intent of this document to be used as a reference guide in the proper handling, storage, and installation of finishing hardware, and doors and frames. This document can be obtained through the Door and Hardware Institute.
- .2 Other trades installing hardware must follow all manufacturer's instructions including door closer adjustment, handing of locksets as required, and degree of door swing. Advise the consultants if door frames are not square and plumb and prevent proper door installation.
- .3 Mount hardware to suit door elevations. Unless otherwise directed by the consultant, install hardware at the following mounting heights:

Locksets	40"	(1015mm)
Exit device	40"	(1015mm)
Push/Pull	42"	(1065mm)
Deadlock	60"	(1524mm)
Deadlock	48"	(1220mm) per OBC intent.
- .4 When requested, the hardware supplier will instruct the installer as to how various newer or unusual items that are required to be installed for proper performance.

### **3.3 HARDWARE SCHEDULE**

#### **Set 1 – At Exterior Accessible Entrance Door**

1 Electric strike	HES 9600 12vdc fail secure x 2005 630
1 Automatic door operator	Besam SW200i push mount 618
2 Operator switches	Camden 7536
1 Switching network	Camden CX33 install mode 6
1 Card reader and power supply	By Division 28

**END OF SECTION**



## **1 General**

### **1.1 RELATED WORK**

- .1 Section 01 56 10: Environmental Protection

### **1.2 REFERENCE STANDARDS**

- .1 Perform work in accordance with the following standards:
  - .2 Canadian Construction Safety Code, latest edition.
  - .3 NBC Latest Edition, Part 8 - Safety Measures at Construction and Demolition sites.
  - .4 CSA S350 - Code of Practice for Safety in Demolition of Structures.
  - .5 NFC Latest Edition- Part 6 governing installation and maintenance of portable fire extinguishers.
  - .6 CSA C22.1, "Canadian Electrical Code", governing temporary electrical installations.
  - .7 Transportation of Dangerous Goods Acts.

### **1.3 WORK INCLUDED**

- .1 Demolition, removal and disposal of the all work itemized on the drawings.
- .2 Coordinate removals in order to maintain services as required for operation.
- .3 Obtain all necessary permits required to perform the above noted work.

### **1.4 EXISTING CONDITIONS**

- .1 Take over structures to be demolished based on their condition on date that the contract is awarded.
- .2 Inspect adjacent existing property to extent possible and ensure that its condition and stability is recorded.
- .3 Photograph adjacent existing properties in sufficient detail to record its conditions before Work of this Section commences. These photographs will be used to compare the condition of adjacent construction before and after performance of Work of this Section in the event damage of adjacent construction is claimed as a result of demolition.
- .4 Should unlabelled drums or potentially hazardous materials be encountered in the course of demolition, stop work and notify the Architect. Do not proceed until written instructions have been received from the Architect.

## **1.6 PROTECTION**

- .1 For demolition within the existing Campus provide dust proof partitions, negative air pressure and all other measures required to maintain a clean environment for the building occupants.
- .2 Prevent movement, settlement or damage of adjacent properties, structures, services, paving, roadways, and parking areas. Make good damage and be liable for injury caused by demolition.
- .3 Prevent debris from blocking existing surface drainage systems, which must remain in operation.
- .4 Ensure safe passage of the public past area of demolition.
- .5 Prevailing weather conditions and weather forecast shall be considered. Demolition work shall not proceed when extreme weather conditions constitute a hazard to the works and site.
- .6 Protect existing items designated to remain. In event of damage, immediately replace such items or make repairs to approval of the Architect at no additional cost to the Owner.
- .7 Protect the supply of electricity to areas of property to remain in service.
- .8 Protect telephone service to areas of property to remain in service.
- .9 Protect water and sewer service to areas of the property to remain in service.
- .10 Take precautions to support structures and, if safety of building being demolished or adjacent structures or services, etc. appears to be endangered, cease operations and notify the Architect.
- .11 Prevent debris from blocking surface drainage system, mechanical and electrical systems which must remain in operation.
- .12 Ensure that adjacent properties, and other equipment are protected from damage resulting from Work of this Section. Install protection consisting of fences, barricades, signs, and substantial construction to provide physical protection.
- .13 Post danger signs in conspicuous locations to warn persons that demolition is in progress.

- .14 Erect protection to provide safe access which must be maintained to existing buildings and support area of the building being demolished.
- .15 Protect existing services from damages. Where required, arrange to relocate existing active services to ensure that they function continuously in safety and without risk of damage. Cap off and remove unused services encountered during demolition after approval is given by the Architect and utilities or jurisdictional authorities, whichever may apply.
- .16 Maintain security of areas in which demolition is proceeding by control of access through enclosing fences, barricades, and hoardings during times Work is in progress, and by locking hardware otherwise.
- .17 Maintain security of areas in which demolition is proceeding while Work is shut down because of a strike or a lockout.
- .18 Prevent spread of dust beyond the demolition area by wetting, or by other approved means, as it accumulates.
- .19 Keep sidewalks, streets, and roads free of dust and debris from demolition Work. Clean up accumulations as they occur.
- .20 Provide up-to-date proof of certification of all equipment to be used on site.
- .21 Temporary shoring and protection shall be designed by a professional engineer registered or licensed to practice in Nova Scotia.

## **1.7 SALVAGEABLE MATERIALS**

- .1 Salvage, recycling or reuse of materials or equipment from the buildings to be demolished is encouraged.
- .2 Re-grade and label salvageable lumber as required by law.
- .3 The Contractor shall protect the owner from any claims, however, rising, from the salvage, recycling or reuse of materials or equipment from the demolished buildings.

## **3 Execution**

### **3.1 ENVIRONMENTAL PROTECTION**

- .1 Perform work in an environmentally acceptable manner. Comply with requirements of Sections 01 56 10.

### **3.2 PREPARATION**

- .1 Obtain all necessary permits and approvals.
- .2 Inspect site and verify with the Architect items designated for removal and items to be preserved.
- .3 Locate and protect utility lines to remain. Notify utility companies before starting demolition.
- .4 Employ rodent and vermin exterminators to comply with Health and Environmental regulations.

### **3.3 EXAMINATION**

- .1 Before commencing Work, ensure in examination of the site and Work to be demolished that all possible factors concerning demolition are investigated, and that the following are known in particular:
  - .1 Methods and means available for material handling, disposal, storage, and transportation.
  - .2 Construction details of structures to be demolished.
  - .3 Construction details of other existing and adjacent properties.
  - .4 Location of utility and other services.
- .2 Review demolition Work to be performed in all its details. Do not proceed without review of the demolition methods that will be used.

### **3.4 DEMOLITION - GENERAL**

- .1 Remove any equipment or materials intended for reuse, recycling or salvage.
- .2 Sub-Contractor shall provide a detailed description of the proposed methods and procedures for demolition prior to commencing work on the site.
- .3 Do not disrupt active or energized utilities designated to remain undisturbed.
- .4 At end of each day's work leave site in safe condition so that no part is in danger of toppling or falling.
- .5 Carefully remove and lower structural framing and other heavy or large objects.
- .6 Demolish to minimize dusting and noise. Spray water on structures during demolition as required and when ever requested by the Architect to control dust.



- .7 Remove and dispose of all demolition items and materials from site in accordance with authorities having jurisdiction and as per "3.8 Disposal of Material" of this section.
- .8 In removal of pavements, curbs and gutters:
  - .1 Square up adjacent surfaces to remain in place by saw cutting or other approved method.
  - .2 Protect adjacent joints and load transfer devices.
  - .3 Protect underlying granular materials.
- .9 Remove existing equipment, services, and obstacles where required for refinishing or making good of existing surfaces, and replace as work progresses.
- .10 Demolish concrete walls in small sections. Carefully remove and lower structural framing and other heavy or large objects.
- .11 Dispose of materials not designated for salvage or re-use in work, off site.
- .12 Do not sell or burn materials on site.

### **3.5 DISPOSAL OF MATERIAL**

- .1 Reuse, recycling and salvage of materials and equipment is permitted and encouraged with regulatory requirements. Do not reuse salvaged material in this project unless approved by the Architect.
- .2 Sale of materials shall not take place on or from the site.
- .3 All debris must be disposed off site at an approved disposal facility.
- .4 The contractor will provide a waste disposal plan to the Architect and obtain approval for the disposal plan in writing from the NSDOE, and the Architect prior to commencement of work at the site.

### **3.6 RESTORATION**

- .1 Upon completion of work, remove debris, trim surfaces and leave work sites clean to a condition satisfactory to the Architect.
- .2 Reinstated areas must be considered safe by the Architect.
- .3 Reinstated areas in existing works outside area of demolition to conditions that existed prior to commencement of work.

**END OF SECTION**

## **1 General**

### **1.1 RELATED WORK**

- .1 Steel door frames Section 08 11 10
- .2 Glazing: Section 08 80 00
- .3 Painting: Section 09 90 00

### **1.2 SHOP DRAWINGS**

- .1 Submit shop drawings in accordance with Section 01 30 00.
- .2 Indicate door types and cutouts for glazing and louvres.

### **1.3 WASTE MANAGEMENT AND DISPOSAL**

- .1 Not Used.

## **2 Products**

### **2.1 MATERIALS**

- .1 Sheet steel: 18 ga. base thickness, commercial grade steel to ASTM A366-72, Class 1 finished to ASTM A526(1975) A40 paintable galvanneal.
- .2 Glazing stops: minimum 20 ga. base thickness sheet steel with A40 paintable galvanneal finish to ASTM A525-80a screw fixed.
- .3 Door Core:
  - .1 Exterior Doors: Hollow steel, vertically stiffened with steel ribs and all voids filled with incombustible, semi-rigid fibrous insulation or urethane, 1.5 lb./cu.ft., minimum density.
  - .2 Interior Doors: Honeycomb, structural core consisting of kraft paper having 3/4" cell size to thickness indicated.
- .4 Fire Doors: Fire doors shall carry a Fire Underwriter's Laboratory label of classes as required by the drawings.
- .5 Primer: for touch up to CGSB 1-GP-181M+Amdt-Mar-78.

### **2.2 FABRICATION**

- .1 The following fabricators are approved to perform work of this section:
  - .1 Apex Industries Ltd., Baron Fleming Ltd., Daybar Industries Ltd., Artek.
- .2 Fabricate steel doors as detailed, in accordance, with Canadian Steel Door and Frame Manufacturer's Association, "Canadian Manufacturing Specifications for Steel Doors and Frames", 1978 for hollow steel construction, except where specified otherwise.

- .3 Mortise, reinforce, drill and tap doors and reinforcements to receive hardware using templates provided by finish hardware supplier. Reinforcement gauges to meet or exceed CSDFMA specification.
- .4 Make provision for louvres and glazing as indicated and provide necessary glazing stops.
- .5 Construct rail and stile doors in same manner as flush doors.
- .6 Conceal weld where possible; if exposed, grind and buff smooth to match adjacent surfaces.
- .7 Touch up doors with primer where galvanized finish damaged during fabrication.
- .8 All exterior door joints to be sealed to prevent moisture penetration.
- .9 Top of all exterior doors to be fitted with vinyl cap.
- .10 Weep holes to be provided in bottom closure channel of all exterior doors.

### **3 Execution**

#### **3.1 INSTALLATION**

- .1 Installation of hollow metal doors supplied by this Section and finishing hardware supplied under Work of Section 08 71 00 is specified under Work of Section 06 20 00.

#### **3.2 ADJUSTMENT AND CLEANING**

- .1 Refinish damaged and defective work before completion of project.
- .2 Adjust operable parts for correct function.

**END OF SECTION**

## **1 GENERAL**

### **1.1 GENERAL CONDITIONS**

- .1 The General Conditions of the contract as well as provisions of Division 1 at the beginning of these specifications shall be deemed to apply and be a part of this section of the specification.

### **1.2 WORK INCLUDED**

- .1 The intent of this section of the specification is to complement the drawings in describing all of the glass and glazing work for the project.
- .2 Installation of glass for work described in the following Sections are part of the work of this Sections:
  - .1 08 11 00 Steel Hollow Metal Doors
  - .2 08 11 10 Pressed Steel Frames

### **1.3 EXTENDED WARRANTY**

- .1 Submit a warranty of the Work of this Section covering the period for four years beyond the expiration of the performance bond specified in the General Conditions.
- .2 Defective Work shall include, but not be restricted to: leaking, loosening of whole or of parts of units, breakage or deformation of work, glass breakage (other than by accidental cause), seal failure and fading or discolouration of factory applied finishes.

## **2 PRODUCTS**

### **2.1 WORK INCLUDED**

- .1 Clear Sheet Glass: to CAN2-12.2-M76 B quality.
- .2 Polished Plate or Float Glass to CAN2-12.3-M76, glazing quality.
- .3 Fire Rated Glass: to CAN4- S-104, 3/16" (5mm) thick. Standard of Acceptance: FireLite by TPG.
- .4 Vision Glass, Insulating Glass Units: Factory sealed double glazed units. Outer lite 6mm heat resistant, colour to be specified by Architect; Inner lite 6 mm tempered, low E solar ban 60 (or ES72) on number 3 surface float glass; with a hermetically sealed space of ½" width complete with low E argon and warm edge spacer.
  - .1 Standard of Acceptance: Prelco 2E272 or PPG Solar Ban 60
- .5 Spandrel panels: One lite 6mm heat strengthened glass, complete with Ceramic Frit. Colour determined by Architect.

## **2.2 GLAZING AND SEALING COMPOUND MATERIALS**

- .1 Glazing Compound: oil base, to CGSB 19-GP-6M, Type 1.
- .2 Sealant Compound: one component acrylic base, to CGSB 19-GP-5M+Amdt-Nov-79, gun grade.
- .3 Glazing Tape: glazing gaskets, 10-15 durometer hardness, paper release.
- .4 Setting Blocks: neoprene, Shore "A" durometer hardness 70-90.
- .5 Spacer shims: neoprene, Shore "A" durometer hardness 40-50.
- .6 Primer-sealers and cleaners: to glass manufacturer's standard.

## **3 EXECUTION**

### **3.1 WORKMANSHIP**

- .1 Minimum of one Red Seal glazer to be on site during all curtain wall and glazing work.
- .2 Remove protective coatings and clean contact surfaces with solvent and wipe dry.
- .3 Apply primer-sealer to contact surfaces.
- .4 Place setting blocks as per manufacturer's instructions.
- .5 Install glass, rest on setting blocks, ensure full contact and adhesion at perimeter.
- .6 Install removable stops, without displacing tape or sealant.
- .7 Provide edge clearance of 1/8" minimum.
- .8 Insert space shims to center glass in space. Place shims at 2'-0" o.c. and keep 1/4" below sight line.
- .9 Apply cap bead of sealant at exterior void.
- .10 Apply sealant to uniform and level line, flush with sightline and tooled or wiped with solvent to smooth appearance.
- .11 Do not cut or abrade tempered glass.

### **3.2 INSTALLATION**

- .1 All glass units will be glazed using one of the two methods described below:
  - .1 Glass units shall be bedded to the exterior with Butyl tape; a heel bead of acoustic sealant shall be applied to the complete interior perimeter of the glass unit to seal the unit to the sash or frame. An interior finish of removable vinyl "Vision Strip" shall be applied and inserted into the open channel and anchored into the acoustic heel bead.

- .2 Glass units shall be bedded to the exterior with Butyl tape, recessed 1/8" minimum. Fill the recess with a bead of Silglaze. Glass unit to be further bedded in a seal of acoustic sealant around the complete interior perimeter to seal glass unit to the sash or frame. An interior finish of Butyl tape shall be used to bed the interior stop to the glazing unit.

### **3.3 ADJUSTMENT AND CLEANING**

- .1 Replace scratched, etched, or defective glazing resulting from manufacture, setting, handling, or storage before or during installation.
- .2 Immediately remove sealant and compound droppings from finished surfaces. Remove labels after work is completed.

**END OF SECTION**

## **1            General**

### **1.1           GENERAL CONDITIONS**

- .1      The General Conditions of the contract as well as provisions of Division 1 at the beginning of these specifications shall be deemed to apply and be a part of this section of the specification.

### **1.2           WORK INCLUDED**

- .1      Supply and install all suspended T-Bar grid systems to all areas identified within the Room Finishes Schedule.

### **1.3           RELATED WORK**

- .1      Acoustical Tile: Section 09 51 10.
- .2      Trim for recessed mechanical fixtures: See Mechanical.
- .3      Trim for recessed light fixtures: See Electrical.

### **1.4           REFERENCE STANDARDS**

- .1      Installation to ASTM C636-76(1981) except where specified otherwise.

### **1.5           DESIGN CRITERIA**

- .1      Maximum deflection: 1/360th of span to ASTM C635-78 deflection test.

## **2            Products**

### **2.1        MATERIALS**

- .1      Exposed tee bar grid components: two directional 24" x 24" shop painted satin sheen white. Components die cut. Main tee with double web, rectangular bulb and 1" rolled cap on exposed face. Cross tee with rectangular bulb; web extended to form positive interlock with main tee webs; lower flange extended and offset to provide flush intersection. colour.
- .2      Hanger Wire: galvanized soft annealed steel wire, 9 ga.
- .3      Hanger Inserts: purpose made.
- .4      Accessories: splices, clips, wire ties, retainers and wall mounting flush reveal, to complement suspension system components, as recommended by system manufacturer.

- .5      Provide special made components at recessed radiant heating panels as required and as detailed on the drawings.

- .6      Manufacturer and Product: 15/16" Tee System By USG, Class A Fire Rating

### **3                    Execution**

#### **3.1                INSTALLATION**

- .1      Install hangers as per manufacturers instructions.
- .2      Do not erect ceiling suspension system until work above ceiling has been inspected by Architect.
- .3      Lay out system according to reflected ceiling plans.
- .4      Ensure suspension system is co-ordinated with location of related components.
- .5      Install wall mould to provide correct ceiling height. Finished ceiling system to be level within 1:1000.
- .6      Completed suspension system to support super-imposed loads, such as lighting fixtures, diffusers and grilles, speakers and radiant heating panels.
- .7      Support light fixtures and diffusers with additional ceiling suspension hangers within 6" of each corner and at maximum 24" around perimeter of fixture.
- .8      Interlock cross member to main runner to provide rigid assembly.
- .9      Install suspension system to manufacturer's instructions.
- .10     Frame at openings for light fixtures, air diffusers and at changes in ceiling heights.
- .11     Provide mouldings and trim as required for recessed radiant heating panels. See details on mechanical drawings. Note that both support for heating panels and ceiling trim is by this trade section.

#### **3.2                CLEANING**

- .1      Touch up scratches, abrasions, voids and other defects in painted surfaces.
- .2      Final cleaning is specified in Section 01 77 00.

**END OF SECTION**



**1 General****1.1 GENERAL CONDITIONS**

- .1 The General Conditions of the contract as well as provisions of Division 1 at the beginning of these specifications shall be deemed to apply and be a part of this section of the specification.

**1.2 WORK INCLUDED**

- .1 To complete all interior & exterior gypsum board & steel stud on walls and ceilings as shown or specified and summarized but not restricted to:
  - .1 Metal stud partitions.
  - .2 Suspended gypsum board ceilings and bulkheads.
  - .3 Furring systems and enclosures as described herein and indicated on drawings.
  - .4 Installation of pressed steel frames in steel stud partitions.
  - .5 Miscellaneous drywall as required to complete the project.

**1.3 RELATED WORK**

- .1 Section 06 10 00: Rough Carpentry
- .2 Section 08 11 10: Pressed Steel Frames

**1.4 REFERENCE STANDARDS**

- .1 Do work in accordance with CSA A82.31-M1980 except where specified otherwise.

**1.5 LEED DOCUMENTATION**

- .1 Not Used.

**2 Products****2.1 GYPSUM BOARD**

- .1 Plain: to CSA A82.27-M1977 standard and Type X, thickness as noted on drawings, 4'-0" wide x maximum practical length, ends square cut, edges tapered.
- .2 Water resistant board: to CSA A82.27-M1977 Standard ½" thick, 4'-0" wide x maximum practical length.
- .3 Abuse resistant drywall to be Fiberock VHI, 5/8" thick.
  - .1 Acceptable Alternate: Comfort Guard IR by Temple Inland.

## **2.2 METAL FURRING AND SUSPENSION SYSTEMS**

- .1 Metal furring runners, hangers, tie wires, inserts, anchors: to CSA A82.30-M1980, galvanized.
- .2 Drywall furring channels: 0.5 mm core thickness galvanized steel channels for screw attachment of gypsum board.
- .3 Resilient drywall furring: 0.5 mm base steel thickness galvanized steel for resilient attachment of gypsum board, except 16 ga. for drywall secured to existing steel structure.

## **2.3 FASTENINGS AND TIES**

- .1 Screws: to CSA A82.31-M1980. Self-drilling, self-tapping, case hardened, Philips head, drywall screws, with corrosion resistant finish.
- .2 Hangers: 9 ga. galvanized soft annealed steel wire.

## **2.4 ACCESSORIES**

- .1 Casing beads, corner beads fill type: 0.5 mm base thickness commercial grade sheet steel with Z275 zinc finish to ASTM A525M-80, perforated flanges; one piece length per location.
- .2 Acoustic Sealant: to CGSB 19-GP-21M as manufactured by Tremco Manufacturing Co. or Inmont Presstite Ltd.
- .3 Polyethylene: to Can 2-51.33-M80, 6 mil.
- .4 Joint Compound: to CSA A82.31-M1980, asbestos free.
- .5 Joint Tape: 2" x 0.012" thick, perforated paper with chamfered edges.
- .6 Control Joists: Crimped rolled-formed zinc, with flanges for tape reinforcement, or two casing beads, set with gap for movement and backed with flexible air seal membrane.
- .7 Special purpose made angles and channels as required and as detailed to support radiant heating panels.

## **2.5 PARTITION SYSTEM**

- .1 Interior Steel Studs: 25 ga. steel, galvanized, having knurled flanges 1 1/4" wide edges double back at least 3/16", with girts as required, and with service access holes. Sizes as indicated on drawings.
- .2 Partition Runners: as specified for studs, with flanges a minimum of 7/8" high, and to suit width of studs.
- .3 Bracing Channels: 18 ga. 1 1/2" x 3/4" cold rolled steel, wipe coated.
- .4 Hanger Devices: Zinc coated annealed steel wire; 9 ga. to support a maximum weight of 310 lbs. per hanger.

## **2.6 ACOUSTIC INSULATION**

- .1 Type: Unfaced Mineral fiber acoustical insulation complying with ASTM C665, Type I.
- .2 Size: to fill stud cavity.
- .3 Surface Burning Characteristics:
  - .1 Maximum flame spread: 10
  - .2 Maximum smoke developed: 10
- .4 Combustion Characteristics:
  - .1 Passes ASTM E 119 test.
- .5 Sound Transmission Class: STC 45.

## **3 Execution**

### **3.1 METAL STUD SYSTEM**

- .1 Align partition tracks at floor and ceiling and secure at 2'-0" o.c. maximum.
- .2 Install damproof course under stud shoe tracks of partitions on slabs on grade.
- .3 Place studs vertically at 16" o.c. and not more than 2" from abutting walls, and at each side of openings and corners. Position studs in tracks at floor and ceiling. Cross brace studs as required to provide rigid installation to manufacturer's instructions.
- .4 Erect metal studding to tolerance of 1:1000.
- .5 Attach studs to bottom and ceiling track using screws.
- .6 Co-ordinate simultaneous erection of studs with installation of service lines. When erecting studs ensure web openings are aligned.
- .7 Co-ordinate erection of studs with installation of door/window frames and special supports or anchorage for work specified in other Sections.
- .8 Provide two studs extending from floor to ceiling at each side of openings wider than stud centres specified. Secure studs together, 2" apart using column clips or other approved means of fastening place alongside frame anchor clips.
- .9 Erect track at head of door/window openings and sills of sidelight/window openings to accommodate intermediate studs. Secure track to studs at each end, in accordance with manufacturer's instructions. Install intermediate studs above and below openings in same manner and spacing as wall studs.
- .10 Frame openings and around built-in equipment, cabinets, access panels, on four sides. Extend framing into reveals. Check clearances with equipment suppliers.

- .11 Provide 1 1/2" stud or furring channel secured between studs for attachment of fixtures behind laboratory basins, toilet and bathroom accessories, and other fixtures including grab bars and towel rails, attached to steel stud partitions.
- .12 Install steel studs or furring channel between studs for attaching electrical and other boxes.
- .13 Extend partitions from floor to underside of structure except where noted otherwise on drawings.
- .14 Install two continuous beads of acoustical sealant under studs and tracks around perimeter of sound control partition.
- .15 Install mineral wool insulation to fill steel stud cavity in exterior wall assembly.

### **3.2 SUSPENDED AND FURRED CEILINGS**

- .1 Erect hangers and runner channels for suspended gypsum board ceilings in accordance with CSA A82.31-M1980 except where specified otherwise.
- .2 Support light fixtures by providing additional ceiling suspension hangers within 6" of each corner and at maximum 2'- 0" around perimeter of fixture.
- .3 Support heating panels as per mechanical details.
- .4 Install work level to tolerance of 1:1200.
- .5 Frame with furring channels, perimeter of openings for access panels, light fixtures, diffusers, grilles.
- .6 Install furring channels parallel to, and at exact locations of steel stud partition header tracks.
- .7 Fur for gypsum board faced vertical bulkheads within or at termination of ceilings.
- .8 Fur above suspended ceilings for gypsum board fire and sound stops as indicated.

### **3.3 WALL FURRING**

- .1 Install wall furring for gypsum board wall finishes in accordance with CSA A82.31-M1980, except where specified otherwise.
- .2 Fur openings and around built-in equipment, cabinets, access panels, on four sides. Extend furring into reveals. Check clearances with equipment suppliers.
- .3 Fur beams, duct shafts, columns, pipes and exposed services where indicated.

### **3.4 GYPSUM BOARD APPLICATION**

- .1 Do not apply gypsum board until bucks, anchors, blocking, electrical and mechanical work are approved.

- .2 Apply gypsum board to metal furring or framing using screw fasteners. Maximum spacing of screws 12" o.c.
- .3 Extend all drywall to u/s of structure except where noted otherwise on the drawings.
- .4 Where partitions call for acoustic insulation, apply 1/2" diameter bead of acoustic sealant continuously around periphery of each face of partitioning to seal gypsum board/structure junction where partitions abut fixed building components. Seal full perimeter of cut-outs around electrical boxes, ducts, etc., in partitions where perimeter sealed with acoustical sealant.

### **3.5 ACCESSORIES**

- .1 Erect accessories straight, plum or level, rigid and at proper plane. Use full length pieces where practical. Make joints tight, accurately aligned and rigidly secured. Mitre and fit corners accurately, free from rough edges. Secure at 6" o.c.
- .2 Install casing beads around perimeter of suspended ceilings.
- .3 Install casing beads where gypsum board butts against surfaces having no trim concealing junction and where indicated. Seal joints with sealant.
- .4 Install insulating strips continuously at edges of gypsum board or casing beads abutting metal window or exterior door frames, to provide thermal break.
- .5 Install acoustic insulation where indicated on drawings.

### **3.6 CONTROL JOINTS**

- .1 Locate control joints in all gypsum board walls over 30' in length or height. Space joints at 30' on centre horizontally and vertically.
- .2 Construct control joints of preformed units set in gypsum board facing and supported independently on both sides of joint.
- .3 Provide continuous polyethylene dust barrier behind and across control joints.
- .4 Install control joints straight and true.

### **3.7 TRIM**

- .1 Install trim as indicated.
- .2 Minimize joints; use corner pieces and splicers.

### **3.8 ACCESS DOORS**

- .1 Provide and install access doors to electrical and mechanical fixtures specified in respective Sections.
- .2 Rigidly secure frames to furring or framing systems.

### **3.9 ACOUSTIC INSULATION AND APPLICATION**

- .1 Obtain installer's written report listing conditions detrimental to performance of work in this section. Do not proceed with installation of insulation until unsatisfactory conditions have been corrected.
- .2 Comply with manufacturer's instructions for particular conditions of installation in each case.
- .3 Sound Attenuation Batts may be friction-fit in place until the interior finish is applied. Install batts to fill entire stud cavity. If stud cavity is less than 96" in height, cut lengths to friction-fit against floor and ceiling tracks. Walls with penetrations require that insulation be carefully cut to fit around outlets, junction boxes and other irregularities.
- .4 Where walls are not finished on both sides of insulation does not fill the cavity depth, supplementary support must be provided to hold product in place.
- .5 Where insulation must extend higher than 8 feet, temporary support shall be provided to hold product in place until the finish material is applied.

### **3.10 INSTALLATION OF PRESSED STEEL FRAMES IN STEEL STUD PARTITIONS**

- .1 Install hollow metal door frames supplied under Section 08 11 10.
- .2 Brace frames in place to prevent displacement until anchored into masonry and remove spreaders at floor after frames are anchored.

### **3.11 TAPING AND FILLING**

- .1 Finish face panel joints and internal angles with joint system consisting of joint compound, joint tape and taping compound installed according to manufacturer's directions and feathered out onto panel faces.
- .2 Finish corner beads, control joints and trim as required with two coats of joint compound and one coat of taping compound, feathered out onto panel faces.
- .3 Fill screw head depressions with joint and taping compounds to bring flush with adjacent surface of gypsum board so as to be invisible after painting is completed.
- .4 Sand lightly to remove burred edges and other imperfections. Avoid sanding adjacent surface of board.
- .5 Completed installation to be smooth, level or plumb, free from waves and other defects and ready for painting.

### **3.12 ADJUSTMENT AND CLEANING**

- .1 Remove droppings and excess of joint compound from Work of others, and from Work of this Section, before it sets.
- .2 Make good to cut-outs for services and other Work, fill in defective joints, holes and other depressions with joint compound.

- .3      Make good defective work, and ensure that surfaces are smooth, evenly textured and within specified tolerances to receive finish treatments.

**END OF SECTION**

---

**1 General**

**1.1 GENERAL CONDITIONS**

- .1. The general conditions of the contract as well as provisions of Division 1 at the beginning of these specifications shall be deemed to apply and be a part of this section of the specification.

**1.2 WORK INCLUDED**

- .1 Supply and install acoustic tile ceiling panels as specified and indicated on drawings.
- .2 Supply and install acoustic wall panels as specified and indicated on the drawings.

**1.3 LEED DOCUMENTATION**

- .1 Not used.

**1.4 RELATED WORK**

- .1 Section 09 13 00: Suspension System for Acoustical Ceilings
- .2 Section 09 21 16: Gypsum Board
- .3 Mechanical Services: See drawings.
- .4 Electrical Services: See drawings.

**1.5 ENVIRONMENTAL CONDITIONS**

- .1 Permit wet work to dry before commencement of installation.
- .2 Maintain uniform minimum temperature of 15°C and humidity of 20-40% before and during installation.
- .3 Store materials in work area 48 hours prior to installation.

**1.6 SAMPLES**

- .1 Submit duplicate full size samples of ceiling tile in accordance with Section 01300.



## **1.7 EXTENDED WARRANTY**

- .1 Provide an extended warrantee for the work of this section covering a period of four (4) years from date of Substantial Completion of the Contract. Warranty shall cover all defects in manufacture and installation.

## **2 Products**

### **2.1 MATERIALS**

1. Acoustical Ceiling Tile
  1. Manufacturer: USG
  2. Model: USG Radar High-NRC Panel, Fire Rated, item No., 22111
  3. Type: ASTM 1264
  4. NRC min .70
  5. Colour: White
  6. Edge: SQ
  7. Size: 24" x 24" x 3/4", nondirectional
  8. Recycled content – 51%
  9. Locations: All locations as noted to receive new t-bar ceiling.

## **3 Execution**

### **3.1 INSTALLATION**

1. Acoustical ceiling tiles:
  1. Do not install acoustical tiles until work above ceiling has been inspected by Architect and Mechanical and Electrical Engineers.
  2. Cut panels neatly to fit off-module grid and with sufficient clearances to ensure removal without damage.
  3. Coordinate ceiling work to accommodate components of other sections, such as light fixtures, diffusers and sprinkler heads to be built into acoustical ceiling components.

### **3.2           ADJUSTMENT AND CLEANING**

- .1       Replace acoustical tiles and panels which are visibly damaged, marred or discoloured.

**END OF SECTION**

## **1 General**

### **1.1 SAMPLES**

- .1 Submit samples of each specified flooring, base and stair material.
- .2 Submit full size tile of each colour specified.

### **1.2 MAINTENANCE DATA**

- .1 Provide maintenance data for resilient flooring for incorporation into Operation and Maintenance Manual specified in Section 01 73 00.

### **1.3 EXTRA STOCK**

- .1 Deliver to Owner on completion of Work, and as he directs, 2% of the quantity of flooring installed of each material and colour (including base), in labelled packages.

### **1.4 ENVIRONMENTAL REQUIREMENTS**

- .1 Maintain air temperature and structural base temperature at flooring installation area above 20°C for 48 h before, and for 48 h after installation.

## **2 Products**

### **2.1 MATERIALS**

- .1 Vinyl composition tile: to ASTM F1066 – 04(2018) 1/8" thick, 12" x 12" size.
- .2 Acceptable Manufacturers: Armstrong
- .3 Colours: To be selected by Architect from 'Imperial Texture' collection, maximum of 3 colours.
- .4 Floor Patterns: As noted in the drawings.
- .5 Colour field will be from manufacturer's standard colour selection. Border will be from premium colour selection.
- .6 Resilient base: top set coved rubber, minimum 4'-0" length and 4" high, including premoulded end stops and external corners. Colour to be selected from manufacturer's standard colours.
  - .1 Acceptable Material: Flextile; Johnsonite.
- .7 Accessories:
  - .1 Reducer Strips: Provide 1/8" thick vinyl reducer strips, in same colour as tile, where tile flooring terminates.
- .8 Primers and adhesives: recommended by flooring manufacturer for specific material on applicable substrate.

- .9 Sub-floor filler and leveller: white premix latex requiring water only to produce cementitious paste as recommended by flooring manufacturer for use with their product.
- .10 It is this responsibly of this section to ensure that sub floor is suitable to receive flooring no matter the amount or type of floor filler required.
- .11 Sealer: type recommended by flooring manufacturer.
- .12 Wax: type recommended by flooring manufacturer.

### **3 Execution**

#### **3.1 INSPECTION**

- .1 Ensure floors are dry, by using test methods recommended by tile manufacturer, and exhibit negative alkalinity, carbonization or dusting.

#### **3.2 SUB-FLOOR TREATMENT**

- .1 Remove sub-floor ridges and bumps. Fill low spots, cracks, joints, holes and other defects with sub-floor filler.
- .2 Prime concrete to flooring manufacturer's printed instructions.
- .3 Existing conditions:
  - .1 Some portions of existing floor is vinyl tile to be removed by the demolition section.
  - .2 Other portions of the floor are painted concrete.
  - .3 It is responsibly of this section to ensure that sub floor is suitable to receive tile flooring no matter the amount preparation or type/amount of floor filler required.
  - .4 Sandblast if required at discretion of architect.

#### **3.3 TILE APPLICATION**

- .1 Apply adhesive uniformly using recommended trowel in accordance with flooring manufacturer's instructions. Do not spread more adhesive than can be covered by flooring before initial set takes place.
- .2 Lay flooring with joints parallel to building lines to produce symmetrical tile pattern. Border tiles minimum half tile width.
- .3 Install flooring to square grid pattern with all joints aligned with pattern grain alternating, all to Architect's approval.
- .4 Cut tile and fit neatly around fixed objects.
- .5 Terminate flooring at center line of door in openings where adjacent floor finish or colour is dissimilar.

### **3.4 BASE APPLICATION**

- .1 Lay out base to keep number of joints at minimum.
- .2 Set base in full bed of adhesive, tightly against wall and floor surfaces.
- .3 Install straight and level to variation of 1:1000.
- .4 Scribe and fit to door frames and other obstructions. Use premoulded end pieces at flush door frames.
- .5 Cope internal corners. Use premoulded corner units for right angle external corners. Use formed straight base material for external corners of other angles.
- .6 Install toeless type base before installation of carpet on floors.

### **3.5 ACCESSORIES**

- .1 Install reducer strips at terminations of resilient tile flooring where edges are exposed to view.
- .2 At door openings, install reducer strips and carpet adapters under doors.
- .3 Secure strips and adapters to subfloor with contact bond adhesive to ensure complete bond.

### **3.6 CLEANING AND WAXING**

- .1 Remove excess adhesive from floor, base and wall surfaces without damage.
- .2 Thoroughly clean floor using a large heavy duty automated floor scrubber.
- .3 Seal floor and base surface. Provide 3 coats of sealer. Successive coats can be applied as soon as floor is dry. In carpeted areas, clean, seal and wax base surface before carpet installation.
- .4 Provide two coats of wax following the sealing of the floor.
- .5 Spray clean and buff floor and base surface for final inspection before building takeover by Owner.

### **3.7 PROTECTION OF FINISHED WORK**

- .1 Prohibit traffic on floor for 48 hours after installation.
- .2 Final cleaning is specified in Section 01 70 00.

**END OF SECTION**

## **1 General**

### **1.1 RELATED WORK**

- .1 Gypsum Board Assemblies: Section 09 21 16

### **1.2 WASTE MANAGEMENT AND DISPOSAL**

- .1 Collect, separate and recycle all site generated waste materials.

### **1.3 LEED DOCUMENTATION**

- .1 Not used.

### **1.4 REFERENCE STANDARDS**

- .1 The best practices specified or recommended in CAN2-85.100-M81 shall govern for materials, methods and procedures.

### **1.5 ENVIRONMENTAL REQUIREMENTS**

- .1 Do not apply paint finish in areas where dust is being generated.
- .2 Ensure that all areas in which paint is applied are well-ventilated and broom clean.
- .3 Do not apply paint unless a uniform minimum 50°F air temperature has been achieved in the installation area for 24 hours prior to and after application.

### **1.6 PROTECTION**

- .1 Cover or mask surface adjacent to those receiving finish to protect work of others from damage and soil.

### **1.7 PRODUCT DELIVERY, STORAGE AND HANDLING**

- .1 Deliver to site each container sealed and labelled with manufacturer's name, catalogue number or brand name, colour, formulation type, reducing instructions, and reference standard specification number if applicable.
- .2 Store only acceptable project materials at site, and in an area specifically set aside for purpose that is locked, ventilated, maintained at a temperature of over 4°C, and protected from direct rays of sun. Ensure that health and fire regulations are complied with in storage area.

### **1.8 EXTRA STOCK**

- .1 Deliver to Owner on completion of Work, and as he directs, sealed containers of each finish painting material applied, and in each colour. Label each container as for original, including mixing formula. Provide one litre of extra stock when less than 40 litres are used for project, 4 litres of extra stock when 40 to 50 litres are used, and 8 litres of extra stock when over 150 litres are used.

## **1.9 ECO-LOGO**

- .1 All paint products are to be "Eco-Logo" approved products. Supply appropriate certificate from manufacturer.
- .2 All paints to be premium low order, zero VOC.

## **1.10 TECHNICAL REPRESENTATION**

- .1 Manufacturer's Obligations
  - .1 The manufacturer shall play an active role in the application of his product during the period of this contract. The manufacturer shall be represented at all these meetings by a qualified technical representative, trained as a paint inspector with a minimum of 5 years experience. The technical representative shall be approved by the Architect.
- .2 The project shall be subdivided into "Sectors of Work":
  - .1 A minimum of three inspections per sector from the Manufacturer's representative must be made prior to and during application of this work to ensure proper application.
  - .2 After each visit provide a written report to the Architect within 5 working days.
  - .3 30 days prior to any painting, a prejob conference shall be held to confirm methods, materials, etc. for this contract. Items to be present: specifications, finish schedule, colour schedule, product data sheets - MSDS.

## **1.11 PREJOB CONFERENCE**

- .1 After the award of this contract and prior to the preparation of a mock sample area, a pre-job conference shall be held with the following people present:
  - .1 The Architect, Owner and Project Manager
  - .2 The applicator and his designated inspectors and crew supervisors who will be working on site on this project
  - .3 The paint manufacturer's trained paint inspector.

## **1.12 COLOUR SELECTION**

- .1 Colours will be selected by the Architect.
- .2 Contractor to allow for a total of 6 colours.

## **2 Products**

### **2.1 MATERIALS**

- .1 Acceptable Manufacturers: Benjamin Moore or approved equal.

- .2 Paint materials: to Ecologo and CGSB Standards listed in Finishing Formulae.
- .3 Paint materials for each coating formulae to be products of a single manufacturer.

### **3 Execution**

#### **3.1 EXAMINATION**

- .1 Ensure that surfaces to receive finishing materials are satisfactory for specified materials; have been provided as specified in the Work of other Sections; will not adversely affect execution, permanence, or quality of Work; and can be put into an acceptable condition by means of preparation specified in this section.
- .2 Defective painting and finishing Work resulting from application to unsatisfactory surfaces will be considered the responsibility of those performing the Work of this Section.

#### **3.2 EXTENT OF WORK**

- .1 All new work in finished areas is to be painted.
- .2 Where a room or surface is called to be painted, all work in the room or surface other than pre-finished work is to be painted.

#### **3.3 PREPARATION OF SURFACES**

- .1 General:
  - .1 Vacuum clean interior areas immediately before finishing work commences.
  - .2 Remove from surfaces: grease, oil, dirt, dust, ridges, and other soil and materials that would adversely affect the adhesion or appearance of finish coatings.
  - .3 Rust on surfaces primed under work of other Sections shall be removed and the areas re-primed under the Work of these Sections.
  - .4 Finish, patch and smooth surfaces to remove cracks, holes, ridges, and similar blemishes.
  - .5 Touch-up damaged prime coats on shop primed metals with same priming material. Feather out edges of shop coat and smooth repair coat into shop coat surfaces.
  - .6 Scrub mildewed surfaces with a solution of tri-sodium phosphate, bleach with a solution of one part sodium hypochlorite (Javex) to three parts water, and rinse with clear water.
- .2 Masonry:
  - .1 Fill minor holes and cracks in concrete, and concrete masonry with Portland cement grout.



- .2 Remove dirt, scale, loose mortar, and similar foreign matter by brushing.
- .3 Touch up shop paint primer on steel with CGSB 1-GP-40M to CGSB 85-GP-14M.
- .4 Prepare galvanized steel and zinc coated surfaces to CGSB 85-GP-16M.
- .5 Gypsum Board:
  - .1 Fill minor holes and depressions, caused by accidental damage, with drywall joint compound, and sand smooth when it is set, taking care not to raise nap of paper cover.
- .6 Wood:
  - .1 Sand finish surfaces smooth with No. 00 sandpaper.
  - .2 Clean soiled surfaces with an alcohol wash.
  - .3 Wipe off dust and other loose dirt, or vacuum clean before application of coatings.
  - .4 Seal knots, pitch, and sapwood with two coats of uncut orange shellac, or an application of special sealer.
  - .5 After prime coat is dry and sanded, fill nail and screw holes, and cracks with wood filler, or with putty for interior work and caulking compound for exterior work. Colour fillers to match wood or stain if surfaces are given clear final coatings. Smooth, sand and prime fillers when set.

### **3.4 APPLICATION**

- .1 Consult with Architect before proceeding with application of finishes to surfaces for which a formula is given in specification.
- .2 Apply paint to concrete block by spray and back roll method.
- .3 Sand and dust between each coat to remove defects.
- .4 Finish bottoms, edges, tops and cutouts of doors after fitting as specified for door surfaces.
- .5 Finish closets and alcoves as specified for adjoining rooms.
- .6 Apply each coat only after preceding coat is dry and hard, or as otherwise directed by material manufacturer.
- .7 Priming and Back Priming:
  - .1 Verify, by review of other sections of this specification, the extent of surfaces primed under work of other sections. Priming of un-primed surfaces shall be included in Work of this Section.
  - .2 Back-prime exterior and interior woodwork, frames, fitments and similar work as soon as it is delivered and before installed. Use exterior primer compatible to finish coat for exterior work, and enamel under-coater for

interior work to receive paint or enamel finishes. Prevent primer from running over faces.

- .3 Prime tops and bottoms of painted wood doors with enamel under-coater, and tops and bottoms of clear finished doors with gloss varnish. When doors are stained apply varnish after staining. Remove doors to prime and finish.
- .4 Brush out and force primers into grain of wood, and into crevices, cracks and joints in all materials.

### **3.5 MECHANICAL AND ELECTRICAL EQUIPMENT**

- .1 Paint exposed conduits, pipes, hangers and other mechanical and electrical equipment occurring in finished areas. Colour and texture to match adjacent surfaces, except as noted otherwise.
- .2 Paint all exterior louvres, etc.
- .3 Keep sprinkler heads free from paint.
- .4 Paint both sides of plywood backboards for equipment before installation.

### **3.6 COLOURS**

- .1 Colours of paints, including shades of stains, shall be applied to match approved samples.
- .2 Colours will be selected by the Architect.

### **3.7 INTERIOR FINISHES**

- .1 Formula 7: for gypsum board walls apply: one coat latex primer-sealer ICI #8130 Spedwall primer, two coats latex eggshell enamel. ICI #59311 No VOC Lifemaster
- .2 Formula 9: for gypsum board ceilings, apply: one coat primer sealer ICI # 8130 Spedwall primer one coat flat paint ICI #59170 No VOC Lifemaster
- .3 Formula 16: for primed ferrous metal surfaces apply: one coat enamel undercoat ICI # 9431 Ultra, two coats gloss enamel Devoe #4208 Devflex
- .4 Formula 18: for woodwork to receive natural finish apply: one coat shellac CGSB 1-GP-16M-Amdt-Feb-81, Type 2; two coats varnish gloss CGSB 1-GP-36M, Type 1, PPG #77-5 series; one coat varnish satin finish CGSM 1-GP-36M, Type 2, PPG #77-9
- .5 Formula 16: for primed ferrous metal surfaces apply:  
one coat enamel undercoat ICI #9431 Ultra  
Two coats gloss enamel Devoe #4208 Devflex
- .6 Formula 17: for galvanized and zinc coated metal apply (after etching):  
one coat galvanized metal primer two coats enamel semi-gloss enamel Devoe #4216 Devflex one coat varnish satin finish ICI #1880 Varnish

- .7 Formula 20: for metal doors: one coat enamel undercoat primer Devoe # 4020 Devflex primer, two coats finish coats Devoe #4216 Devflex acrylic
- .8 Formula 22: Interior metal door frames: spray two coats Devoe #4216 Devflex in desired colour-satin finish
- .9 Formula 24: for insulation covering apply: one coat tinted enamel undercoat ICI # 250 Gripper, one coat egg shell enamel ICI # 59311 No VOC Lifemaster

### **3.8 EXTERIOR FINISHES**

- .1 Formula 30: for galvanized and zinc coated metal apply: New spancaled galvanized metal - Abrade with fine sand paper to remove passivation. Apply: 1 coat Pitt-Tech Primer, Devoe # 4020 Devflex Primer, 2 coats Pitt-Tech Gloss, Devoe #4208 Devflex
- .2 Formula 31: for all exterior doors, frames, miscellaneous trim, mechanical and electrical equipment: 1 coat Pitt-Tech Primer, Devoe #4020 Devflex Primer, 2 coats Pitt-Tech Gloss, Devoe #4208 Devflex
- .3 Formula 32: For all exposed concrete faces on tilt-up concrete panels
  - .1 Solid Color (Waterborne Finish)
    - .1 1<sup>st</sup> Coat: Sherwin-Williams Loxon Concrete and Masonry Prier, LX02 Sereis
    - .2 2<sup>nd</sup> and 3<sup>rd</sup> Coat: Sherwin-Williams Loxon Self-Cleaning Acrylic, LX13 Series

**END OF SECTION**



- Sink mastic
- Refer to the report for presumed and excluded materials.
- Lead is present in paints and coatings.
- Solid lead is presumed to be present within batteries of emergency lights. Lead caulking is present on cast-iron pipe joints.
- Crystalline silica is present in concrete and other materials such as masonry, terrazzo and ceramic tiles.
- Mercury vapour is presumed to be present in lamp tubes, and boiler controls.
- Caulking in expansion joints is a PCB solid.
- Visible mould and water damage was observed.

## 2.0 RECOMMENDATIONS

### 2.1 Further Assessment

Visible mould growth was identified on acoustic ceiling tiles in the Wood Lab (Location 7). A mould investigation is recommended to determine the extent of mould growth and source of water damage.

### 2.2 Remedial Work

The following remedial work is recommended. The work must be completed in compliance with procedures defined in applicable guidance documents.

#### 2.2.1 Asbestos

Hazard: System	Material Description	Quantities per Condition		Location Name, (Location No.)	Recommended Procedure
		Fair	Poor		
Piping	Parging Cement	2 EA	1 EA	Classroom (6)	Remove using high risk or glove bag asbestos abatement procedures.
Piping	Parging Cement	1 EA	2 EA	Sciences Lab Storage (12)	Remove using high risk or glove bag asbestos abatement procedures.
Piping	Parging Cement		1 EA	Sewing Lab (14)	Remove using high risk or glove bag asbestos abatement procedures.
Piping	Debris, Parging Cement		1 SF	Sewing Lab (14)	Remove using high risk asbestos abatement procedures.



Hazard: System	Material Description	Quantities per Condition		Location Name, (Location No.)	Recommended Procedure
		Fair	Poor		
Piping	Drain, Parging Cement		1 EA	Closet (21)	Remove using high risk or glove bag asbestos abatement procedures.
Piping	Debris, Parging Cement		1 SF	Storage Room (76)	Remove using high risk asbestos abatement procedures.

### 2.2.2 Mould and Water Damage

System	Material Description	Quantity	Location Name, (Location No.)	Recommended Procedure
Ceiling	Ceiling tiles (glue-on)	20 SF	Wood Lab (7)	A mould investigation is recommended to confirm the extent of mould, especially due to the potential for concealed growth. Remove using moderate risk mould abatement procedures.

## 2.3 On-Going Management and Maintenance

The following recommendations are provided regarding on-going management and maintenance work involving the hazardous materials identified.

### 2.3.1 Asbestos

Inspect all accessible confirmed and presumed ACM at reasonable intervals and update the written documentation annually, as required by Nova Scotia Guidelines.

Update the asbestos inventory report for all new information obtained (i.e., new materials, change of condition, abatement performed).

Remove ACM before alteration or maintenance work if ACM may be disturbed. Follow appropriate asbestos precautions for the classification of work as per applicable regulations and guidelines.

Asbestos-containing materials must be disposed of at a landfill approved to accept asbestos waste.

### 2.3.2 Lead

For lead-containing or lead-based paints (i.e., greater than the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints, and 0.5% (5,000 mg/kg) for lead-based), construction disturbance may result in over-exposure to lead dust or fumes. The need for work procedures, engineering controls and personal protective equipment should be assessed on a site-specific basis to comply with applicable regulations, and/or guidelines.

For paints identified as having low levels of lead (i.e., equal to or above 0.009% (90 mg/kg) but less than or equal to the EACC guideline of 0.1% (1,000 mg/kg) for lead-containing paints) special precautions are not recommended unless aggressive disturbance (grinding, blasting, torching) is planned.

Exposure from construction disturbance of paints containing lead less than 0.009% (90 mg/kg) is assumed to be insignificant.

Items painted with paints containing elevated levels of lead may be a hazardous waste. Test lead-painted materials for leachable lead and other metals prior to disposal. Metallic components coated with lead paint do not require leachate testing and can be disposed of as non-hazardous construction and demolition (C&D) waste.

Lead-containing items should be recycled when taken out of service.

### **2.3.3 Silica**

Disturbance of silica-containing products during maintenance activities may result in excessive exposures to airborne silica, especially if performed indoors and dry. Cutting, grinding, drilling or demolition of materials containing silica should be completed only with proper respiratory protection and other worker safety precautions that comply with per applicable regulations and guidelines.

### **2.3.4 Mercury**

Do not break lamps or separate liquid mercury from components. Recycle and reclaim mercury from fluorescent lamps when taken out of service. Mercury is classified as a hazardous waste and must be disposed of in accordance with applicable regulations.

### **2.3.5 PCBs**

Dispose of non-liquid PCB materials when they are removed from the building.

### **2.3.6 Mould and Water Damage**

Conduct an intrusive mould investigation to determine the extent of mould growth. The investigation should identify the source of the water intrusion that contributed to the mould growth and water damage observed during this assessment.

## **2.4 Construction and Demolition**

This assessment report does not provide sufficient detail to support renovation and demolition work. Therefore, perform a detailed intrusive assessment before building renovation or demolition operations. The assessment should include destructive testing (e.g., coring, removal of building finishes and components), and sampling of any other materials not tested (e.g., roofing materials, caulking, mastics).



### 3.0 BACKGROUND INFORMATION

#### 3.1 Assessed Area Description Summary

Description Item	Details
Building Use	School
Floors Above Grade	2
Floors Below Grade	1
Total Area (square feet)	Approximately 52,000 SF
Year of Construction	1974
Structure	Poured concrete, Structural steel
Exterior Cladding	Brick, Concrete
HVAC	Mechanical Room Air Handling Units, Boiler with radiators
Roof	Not assessed
Flooring	Poured concrete, Vinyl floor tile, Terrazzo
Wall and Ceiling Finishes	Drywall, Masonry block, Lay-in acoustic ceiling tiles, Glued-on acoustic ceiling tiles

#### 3.2 Existing Reports

##### 3.2.1 Review of Previous Reports

The report provided by HRCE pre-dating 2000 and was not referenced due to significant regulatory changes since its publication and the likelihood that site conditions have undergone various changes due to renovations.

Samples of glued-on ceiling tiles collected by FirstOnSite Restoration Ltd. have been referenced from Pinchin Ltd. Asbestos Laboratory Certificate of Analysis, dated November 14, 2024. Lab Reference Number b327611.

### 4.0 FINDINGS

Any quantities listed in this report or data tables are estimated based on visual approximations only and are subject to variation.

#### 4.1 Asbestos

The following table summarizes the materials evaluated for asbestos in the assessed area. For details on approximate quantities, condition, friability, accessibility, and locations of hazardous building materials; refer to the Hazardous Material Summary / Sample Log and Confirmed and Presumed Report in Appendices V and VI.



Any quantities listed in this report or data tables are estimated based on visual approximations only and are subject to variation.

Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Material Specific Notes
S0001 ABC	Wall   Drywall and joint compound	None Detected	No	436 SF	11
S0002 ABC	Wall   Adhesive/mastic   Yellow	None Detected	No	50 LF	
<b>S0003 ABC</b>	<b>Wall   Caulking   Black</b>	<b>Chrysotile</b>	<b>Yes</b>	<b>50 LF</b>	<b>1</b>
S0004 ABC	Structure   Fireproofing (Fibrous)	None Detected	No	630 SF	
S0005 ABC	Duct   Mastic, Grey	None Detected	No	50 LF	
S0006 ABCDEFG	Ceiling, Wall   Texture Finish - Non-Friable	None Detected	No	45,643 SF	
<b>S0007 ABC</b>	<b>Floor   Vinyl Floor Tile and Mastic   12" grey with black patterns</b>	<b>Chrysotile</b>	<b>Yes</b>	<b>657 SF</b>	<b>2</b>
S0008 ABC	Ceiling   Ceiling Tiles (lay-in)	None Detected	No	16,606 SF	
<b>S0009 ABC</b>	<b>Floor   Vinyl Floor Tile and Mastic   12" beige with light brown flecks</b>	<b>Chrysotile</b>	<b>Yes</b>	<b>11,014 SF</b>	<b>3</b>
<b>S0010 ABC</b>	<b>Floor   Vinyl Floor Tile and Mastic   12" light green with dark flecks</b>	<b>Chrysotile</b>	<b>Yes</b>	<b>3,292 SF</b>	<b>5</b>
<b>S0011 ABC</b>	<b>Piping   Parging Cement</b>	<b>Chrysotile</b>	<b>Yes</b>	<b>48 EA, 2 SF</b>	<b>6</b>
<b>S0012 ABC</b>	<b>Floor   Vinyl Floor Tile and Mastic   12" white with black flecks</b>	<b>Chrysotile</b>	<b>Yes</b>	<b>10,380 SF</b>	<b>3</b>
S0013 ABC	Ceiling   Adhesive/mastic	None Detected	No	4,920 SF	
<b>S0014 ABCDEFG</b>	<b>Ceiling, Wall   Drywall and joint compound</b>	<b>Chrysotile</b>	<b>Yes</b>	<b>15,194 SF</b>	<b>11</b>
S0015 ABC	Other   Sink   Mastic   White	None Detected	No	4 EA	
<b>S0016 ABC</b>	<b>Floor   Vinyl Floor Tile and Mastic   12" green with white flecks</b>	<b>Chrysotile</b>	<b>Yes</b>	<b>829 SF</b>	<b>3</b>
<b>S0017 ABC</b>	<b>Other   Sink   Mastic   Gold</b>	<b>Chrysotile</b>	<b>Yes</b>	<b>6 EA</b>	





Sample Number	Material Description	Type of Asbestos	Confirmed Hazard	Total Quantity Present	Material Specific Notes
S0018 ABC	Floor   Vinyl Floor Tile and Mastic   12" black with white streaks	Chrysotile	Yes	72 SF	4
S0019 ABC	Floor   Vinyl Floor Tile and Mastic   12" white with black streaks	Chrysotile	Yes	332 SF	4
S0020 ABC	Floor   Vinyl Floor Tile and Mastic   12" blue with blue and white flecks	Chrysotile	Yes	99 SF	4, 7
S0021 ABC	Floor   Vinyl Floor Tile and Mastic   12" brown with brown and white streaks	Chrysotile	Yes	376 SF	4
S0022 ABC	Floor   Vinyl Floor Tile and Mastic   12" dark blue with dark and white streaks	Chrysotile	Yes	315 SF	4
S0023 ABC	Floor   Vinyl Floor Tile and Mastic   12" light beige with blue streaks	None Detected	No	264 SF	
S0024 ABC	Floor   Vinyl Floor Tile and Mastic   12" dark green with light flecks	None Detected	No	25 SF	
S0025 ABC	Wall   Caulking   light grey (expansion joints)	None Detected	No	348 LF	
S0026 ABC	Wall   Caulking   dark grey (window and door frames)	Chrysotile	Yes	60 LF	
S0027 ABC	Ceiling   Ceiling tiles (glue-on)   1x1	None Detected	No	5,750 SF	8
V9000	Ceiling   Cement Product	Confirmed Asbestos	Yes	88 SF	
V9500	Duct   Textile	Presumed Asbestos	Yes	5 EA	
V9500	Floor   Terrazzo	Presumed Asbestos	Yes	2,492 SF	
V9500	Other   Cement Product	Presumed Asbestos	Yes	45 SF	9
V0000	Ceiling   Ceiling Tiles (lay-in)   12" x 48" pinholes and fissures, 24"x 24" pinholes and fissures, 24" x 48" pinholes and fissures	Non-Asbestos	No	884 SF	
V0000	Wall   Caulking	Non-Asbestos	No		10



### **Material Specific Notes:**

1. Located in joints of wood trim on interior decorative wall in Cafeteria (Location 27).
2. Vinyl floor tiles are asbestos-containing, and mastic is non-asbestos.
3. Vinyl floor tiles and mastic are both asbestos-containing.
4. Mastic is asbestos-containing, and vinyl floor tiles are non-asbestos; however, due to the contamination of the vinyl tiles from the mastic, the tiles would be considered asbestos-containing for removal purposes.
5. Vinyl floor tiles are asbestos-containing and mastic is presumed to contain asbestos until future sampling is performed. Mastic was not present for analysis on the surface of the vinyl floor tiles.
6. The 2 square feet is debris on ceiling tiles in the Sewing Lab (Location 14) and Storage Room (Location 76).
7. Asbestos-containing floor leveling compound was detected on vinyl floor tile sample S0020B. Due to the sporadic application of this material, we are unable to confirm the extent of its presence throughout the building without conducting a more intrusive assessment.
8. Original samples were not collected by Pinchin but are referenced from Asbestos Analytical Certificate b327611 (Appendix II-A). Sample C was collected by Pinchin for confirmation.
9. Panels surrounding skylights are suspected to be asbestos cement product (Transite). Unable to sample due to height.
10. Silicone caulking.
11. Drywall compound contained asbestos in 2 of the 7 samples analyzed. All drywall compound should be presumed to contain asbestos, unless project specific sampling and/or delineation is performed.

### **General Notes:**

Materials identified as Sample Number V9500 were either observed to be present or based on the construction of the building/equipment are likely present in concealed locations. These materials have not been sampled and are presumed to contain asbestos based on historical known use of asbestos. Sampling of these materials may be completed prior to disturbance.



Materials identified as Sample Number V9000 were observed to be present and were determined to contain asbestos based on previous analytical results, or labelling (e.g., Transite clearly labelled by the manufacturer).

Materials identified as Sample Number V0000 were determined to be non-asbestos based on the manufacture date and known end of use of asbestos in these products.

#### 4.1.1 Excluded Asbestos Materials

The following is a list of materials which may contain asbestos and were excluded from the assessment. These materials are presumed to contain asbestos until otherwise proven to be non-asbestos by sampling and analysis:

- Roofing felts and tar, mastics
- Floor levelling compound
- Glazing sealants
- Elevator and lift brakes
- Electrical components
- Mechanical packing, ropes, and gaskets
- Vermiculite
- Fibre-reinforced paints and coatings
- Soffit and fascia boards
- Fire resistant doors
- Ropes and gaskets in cast-iron bell and spigot joints
- Sealants on pipe threads

#### 4.2 Lead

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on locations, condition and approximate quantities on paints sampled and their locations.

Sample Number	Material Description	Concentration	Confirmed Hazard	Total Quantity Present	Materials Specific Notes
L0001	Floor   Concrete (poured)   grey	2,700 ppm	Yes	4,089 SF	
L0002	Wall   Masonry   yellow	530 ppm	Yes	1,575 SF	
L0003	Wall   Masonry   white	200 ppm	Yes	54,516 SF	



Sample Number	Material Description	Concentration	Confirmed Hazard	Total Quantity Present	Materials Specific Notes
L0004	Wall   Masonry   light blue	13,000 ppm	Yes	1,941 SF	
L0005	Wall   Masonry   Light green	1,100 ppm	Yes	3,500 SF	
L0006	Wall   Drywall and joint compound   Dark blue	<80 ppm	No	218 SF	
L0007	Wall   Drywall and joint compound   Grey	940 ppm	Yes	3,931 SF	
L0008	Wall   Drywall and joint compound   Grey	<81 ppm	No	766 SF	
L0009	Wall   Masonry   Baby blue	<80 ppm	No	1,610 SF	
L0010	Wall   Drywall and joint compound   Red	24,000 ppm	Yes	1,352 SF	
L0011	Wall   Masonry   blue	<80 ppm	No	1,800 SF	

**General Notes:**

Results above 0.1% (1,000 mg/kg) are considered lead-containing, and over 0.5% (5,000 mg/kg) are considered lead-based.

Results less than or equal to 0.1% (1,000 mg/kg), but equal to or greater than 0.009% (90 mg/kg), are considered low-level lead paints or surface coatings in accordance with the EACC guideline.

Paints containing lead less than 0.009% (90 mg/kg) are assumed to be insignificant relating to potential exposure from construction disturbance.

**4.2.1 Lead Products and Applications**

Refer to the Hazardous Material Summary / Sample Log and All Data Report for details on lead-products including their locations and quantities.

Sample Number	Material Description	Confirmed Hazard	Total Quantity Present	Material Specific Notes
V9000	Bell And Spigot Fittings	Yes	19 EA	
V9500	Batteries In Emer. Lights	Yes	31 EA	

**General Notes:**

Items identified as Sample Number V9500 were observed to be present but could not be definitively determined to contain lead (e.g., inaccessible batteries).

Items identified as Sample Number V9000 were observed to be present and were determined to contain lead based on visual observation (e.g., bell and spigot joints, lead shielding and flashing).

#### 4.2.2 Excluded Lead Materials

Lead may be present in a number of materials which were not assessed and/or sampled. The following materials, where found, should be considered to contain lead.

- Electrical components, including wiring connectors, grounding conductors, and solder
- Solder on pipe connections
- Glazing on ceramic tiles

#### 4.3 Silica

Crystalline silica is a presumed component of the following materials:

- Concrete
- Masonry and mortar
- Ceramic tiles and grout
- Terrazzo

#### 4.4 Mercury

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on mercury-containing products including their locations and quantities.

Sample Number	Material Description	Confirmed Hazard	Total Quantity Present	Material Specific Notes
V9000	Light Fixture	Yes	7 EA	
V9500	Boiler Control	Yes	4 EA	
V9500	Light Fixture	Yes	492 EA	
V0000	Light Fixture	No	2 EA	

##### General Notes:

Items identified as Sample Number V9500 were observed to be present but could not be definitively determined to contain mercury (e.g., inaccessible lamps and thermostats).

Items identified as Sample Number V9000 were observed to be present and were determined to contain mercury based on visual observation (e.g., labelled lamps and ampules in thermostats).

Items identified as Sample Number V0000 are items that historically may have contained mercury; however, have been visually identified as non-mercury types (e.g., LED lamps, digital or electric thermostats).

#### 4.5 Polychlorinated Biphenyls

Refer to the Hazardous Material Summary / Sample Log and All Data Report in Appendices V and VI for details on PCB-products including their locations and quantities.

Sample Number	Material Description	Concentration	Confirmed Hazard	Total Quantity Present	Material Specific Notes
P0001	Caulking   Light Grey	1,170 mg/kg	Yes	350 LF	1
P0002	Caulking   Dark Grey	<0.5 mg/kg	No	60 LF	2

##### Material Specific Notes:

1. Expansion joint caulking on building exterior
2. Caulking between frame and wall on building exterior.

##### General Notes:

PCBs were banned in 1980; however, are found to be present in caulking and sealants until 1985.

Caulking highlighted in the table above is considered a PCB solid based on the threshold (50 mg/kg or ppm).

##### 4.5.1 Excluded PCB Materials

PCBs are known to be present in several materials and equipment which were not assessed or sampled. The following materials, where found, should be presumed to contain PCBs until sampling proves otherwise.

- Capacitors within or associated with electrical equipment
- Paints
- Oil impregnated cables
- Voltage regulators and capacitors

#### 4.6 Mould and Water Damage

The following mould growth and water damage was identified:

Sample Number	Material Description	Location	Confirmed Hazard	Total Quantity Present	Material Specific Notes
V9000	Ceiling Tiles (glue-on)	7	Yes	20 SF	

##### General Notes:

Materials identified as Sample Number V9000 were observed to have suspected mould growth.

## 5.0 METHODOLOGY

For the purpose of the assessment and this report, hazardous building materials are defined as follows:

- Asbestos
- Lead
- Silica
- Mercury
- Polychlorinated Biphenyls (PCBs)
- Mould and Water Damage

Pinchin conducted a room-by-room assessment (rooms, corridors, service areas, exterior, etc.) to identify the hazardous building materials as defined in the scope.

The assessment was limited to non-intrusive testing. Concealed spaces such as those above solid ceilings and within shafts and pipe chases were accessed via existing access panels only. Destructive testing of flooring was not conducted (under carpets or multiple layers of flooring). Demolition of walls, solid ceilings, structural items, interior finishes or exterior building finishes, to determine the presence of concealed materials was not conducted. Sampling of roofing materials was not conducted.

For further details on the methodology including test methods and evaluation criteria, refer to Appendix III.

## 6.0 REFERENCES

The following legislation and documents were referenced in completing the assessment and this report:

1. Nova Scotia Occupational Safety General Regulation (N.S. Reg. 53/2013).
2. A Guide to Removal of Friable Asbestos-Containing Material.
3. A Guide to Assessment and Management of Asbestos in the Workplace.
4. Asbestos Waste Management Regulations, N.S. Reg. 53/95.
5. Lead in the Workplace: A Guide to Working with Lead, revised January 18, 2019.
6. Guidelines for Disposal of Contaminated Solids in Landfills.
7. Nova Scotia Environment Act, 1994-95.
8. Mercury Diversion Standard, N.S. Reg. 161/2018.
9. PCB Management Regulations, N.S. Reg. 163/97.
10. PCB Regulations, SOR/2008-273, Canadian Environmental Protection Act.
11. Surface Coating Materials Regulations, SOR/2016-193, Canada Consumer Product Safety Act.



12. Consolidated Transportation of Dangerous Goods Regulations, including Amendment SOR/2019-101, Transportation of Dangerous Goods Act.
13. Mould Guidelines for the Canadian Construction Industry, Standard Construction Document CCA 82 – 2004 (Revised 2018), Canadian Construction Association.

## 7.0 LIMITATIONS

This work was performed subject to the Terms and Limitations presented or referenced in the proposal for this project.

Information provided by Pinchin is intended for Client use only. Pinchin will not provide results or information to any party unless disclosure by Pinchin is required by law. Any use by a third party of reports or documents authored by Pinchin or any reliance by a third party on or decisions made by a third party based on the findings described in said documents, is the sole responsibility of such third parties. Pinchin accepts no responsibility for damages suffered by any third party as a result of decisions made or actions conducted. No other warranties are implied or expressed.

## 8.0 CLOSURE

Contact the Should you have any questions or concerns regarding the contents of this letter, please contact the Project Manager, Allain Thebeau at 902.536.8533 or [athebeau@pinchin.com](mailto:athebeau@pinchin.com) should you have any questions.

Sincerely,

**Pinchin Ltd.**

Prepared by:

Reviewed by:

Ashley Penney  
Project Coordinator, Hazardous Materials

Michael Harrett, C.E.T.  
Practice Leader, Hazardous Materials  
Ontario and Atlantic



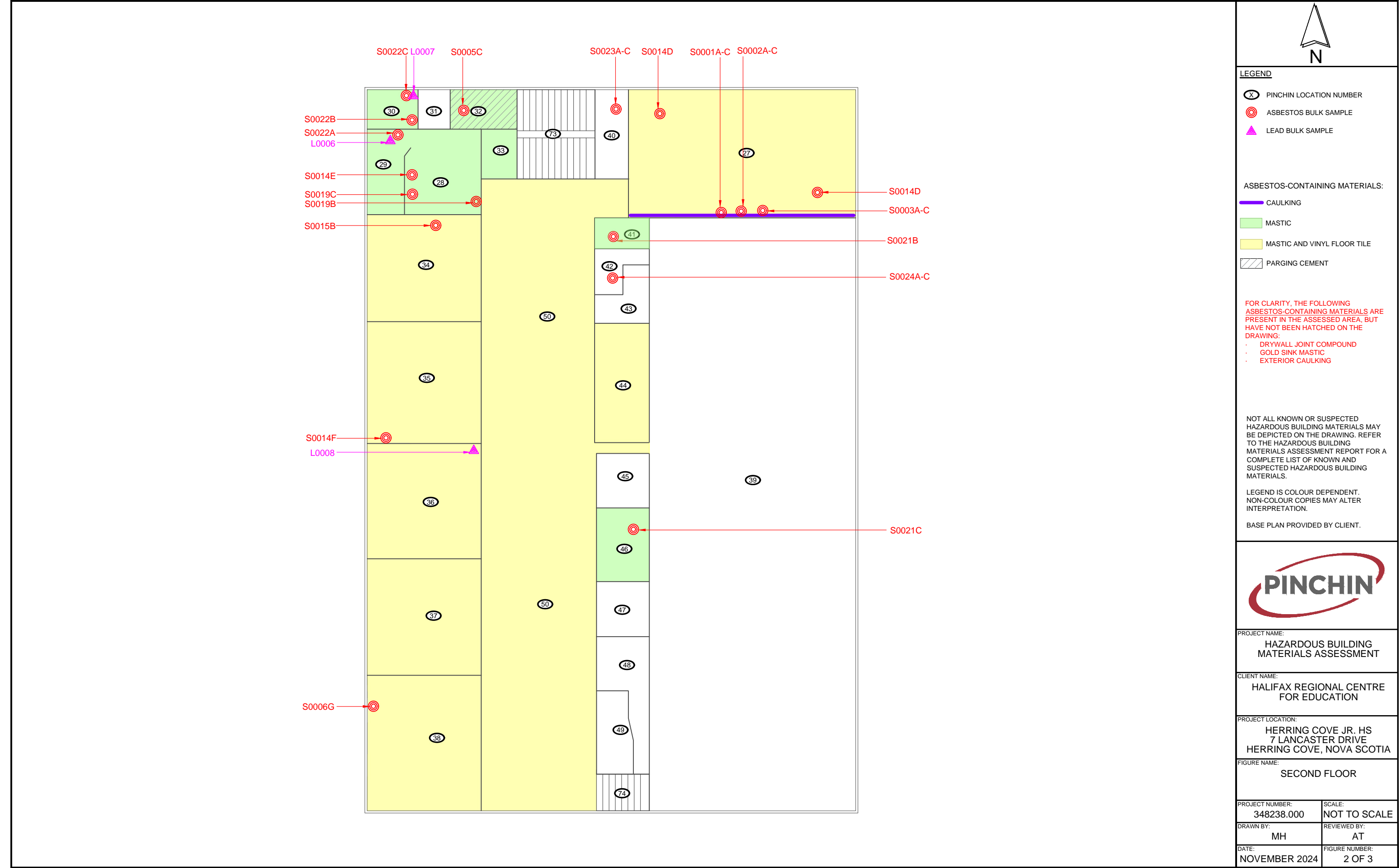


Encl:	APPENDIX I	Drawings
	APPENDIX II-A	Asbestos Analytical Certificates
	APPENDIX II-B	Lead Analytical Certificates
	APPENDIX II-C	PCB Analytical Certificates
	APPENDIX III	Methodology
	APPENDIX IV	Location Summary Report
	APPENDIX V	Hazardous Materials Summary Report / Sample Log
	APPENDIX VI	All Data Report
	APPENDIX VII	Photographs

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Template: Master Template HBMA Management, HMIS, HAZ, August 15, 2024

**APPENDIX I**  
**Drawings**





**LEGEND**

PINCHIN LOCATION NUMBER

ASBESTOS BULK SAMPLE

LEAD BULK SAMPLE

**ASBESTOS-CONTAINING MATERIALS:**

CAULKING

MASTIC

MASTIC AND VINYL FLOOR TILE

PARGING CEMENT

FOR CLARITY, THE FOLLOWING ASBESTOS-CONTAINING MATERIALS ARE PRESENT IN THE ASSESSED AREA, BUT HAVE NOT BEEN HATCHED ON THE DRAWING:

- DRYWALL JOINT COMPOUND
- GOLD SINK MASTIC
- EXTERIOR CAULKING

NOT ALL KNOWN OR SUSPECTED HAZARDOUS BUILDING MATERIALS MAY BE DEPICTED ON THE DRAWING. REFER TO THE HAZARDOUS BUILDING MATERIALS ASSESSMENT REPORT FOR A COMPLETE LIST OF KNOWN AND SUSPECTED HAZARDOUS BUILDING MATERIALS.

LEGEND IS COLOUR DEPENDENT. NON-COLOUR COPIES MAY ALTER INTERPRETATION.

BASE PLAN PROVIDED BY CLIENT.

PROJECT NAME:

HAZARDOUS BUILDING MATERIALS ASSESSMENT

CLIENT NAME:

HALIFAX REGIONAL CENTRE FOR EDUCATION

PROJECT LOCATION:

HERRING COVE JR. HS  
7 LANCASTER DRIVE  
HERRING COVE, NOVA SCOTIA

FIGURE NAME:

SECOND FLOOR

PROJECT NUMBER:	SCALE:
348238.000	NOT TO SCALE
DRAWN BY:	REVIEWED BY:
MH	AT
DATE:	FIGURE NUMBER:
NOVEMBER 2024	2 OF 3



**APPENDIX II-A**  
**Asbestos Analytical Certificates**



## Pinchin Ltd. Asbestos Laboratory *Certificate of Analysis*

**Project Name:** HRCE, HCS, NS  
**Project No.:** 0348238.000  
**Prepared For:** A. Penney / A. Thebeau

**Lab Reference No.:** b325261  
**Analyst(s):** R. Janssen

<b>Date Received:</b>	<b>October 9, 2024</b>	<b>Samples Submitted:</b>	<b>9</b>
<b>Date Analyzed:</b>	<b>October 9, 2024</b>	<b>Phases Analyzed:</b>	<b>9</b>

---

The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis.

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

This report relates only to the items tested.

*This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.*



## Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Project Name: HRCE, HCS, NS  
Project No.: 0348238.000  
Prepared For: A. Penney / A. Thebeau

Lab Reference No.: b325261  
Date Analyzed: October 9, 2024

### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0001A Wall, Facade, Drywall Compound, Loc:1000, Cafeteria	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0001B Wall, Facade, Drywall Compound, Loc:1000, Cafeteria	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0001C Wall, Facade, Drywall Compound, Loc:1000, Cafeteria	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0002A Wall, Base, Adhesive/mastic, Yellow, Loc:1000, Cafeteria	Homogeneous, yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%
S0002B Wall, Base, Adhesive/mastic, Yellow, Loc:1000, Cafeteria	Homogeneous, yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%
S0002C Wall, Base, Adhesive/mastic, Yellow, Loc:1000, Cafeteria	Homogeneous, rubbery, yellow, adhesive material.	None Detected	Non-Fibrous Material > 75%
S0003A Wall, Interior, Caulking, Black, Loc:1000, Cafeteria	Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%
S0003B Wall, Interior, Caulking, Black, Loc:1000, Cafeteria	Homogeneous, black, caulking material.	None Detected	Non-Fibrous Material > 75%
S0003C Wall, Interior, Caulking, Black, Loc:1000, Cafeteria	Homogeneous, black, soft, caulking material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%

Reviewed by:

Reporting Analyst:

Pinchin Ltd.  
2024.10.09 16:29:08-03'00'

Pinchin Ltd.  
2024.10.09 16:27:37-03'00'



Analyzed By: RS  
 Reviewed By: NG  
 Report Sent By: \_\_\_\_\_

## Pinchin Ltd. - Asbestos Laboratory Internal Asbestos Bulk Sample Chain of Custody

### Special Instructions:

Client Name:	HRCE	Project Address:	NS
Portfolio/Building No:	HCS	Pinchin File:	348238
Submitted by:	APENNEY	Email:	<a href="mailto:apenney@pinchin.com">apenney@pinchin.com</a>
CC Results to:	ATHEBEAU	CC Email:	<a href="mailto:athebeau@pinchin.com">athebeau@pinchin.com</a>
Date Submitted:	October 09 2024	Required by:	Month Day 2024
# of Samples:	9	Priority:	Rush Turnaround
Year of Building Construction (Mandatory, Years ONLY):	1974		
Do NOT Stop on Positive (Sample Numbers):	S0001A-C		
Pinchin Group Company (Mandatory Field):	Pinchin		
HMIS2 Building Reference #:	140444/20249954680131		
<b>To be Completed by Lab Personnel Only:</b>			
Lab Reference #:	b325261	Time:	24 hour clock
Received by:	R. Janssen	Date:	Oct 9 / 24 Month Day Year
Name(s) of Analyst(s):	R. Janssen		
Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0001	A	Wall, Facade, Drywall Compound, Loc: 1000, Cafeteria MD
S	0001	B	Wall, Facade, Drywall Compound, Loc: 1000, Cafeteria MD
S	0001	C	Wall, Facade, Drywall Compound, Loc: 1000, Cafeteria MD
S	0002	A	Wall, Base, Adhesive/mastic, Yellow, Loc: 1000, Cafeteria MD
S	0002	B	Wall, Base, Adhesive/mastic, Yellow, Loc: 1000, Cafeteria MD
S	0002	C	Wall, Base, Adhesive/mastic, Yellow, Loc: 1000, Cafeteria MD

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0003	A	Wall, Interior, Caulking, Black, Loc: 1000, Cafeteria ND
S	0003	B	Wall, Interior, Caulking, Black, Loc: 1000, Cafeteria ND
S	0003	C	Wall, Interior, Caulking, Black, Loc: 1000, Cafeteria CHOS-S

3



## Pinchin Ltd. Asbestos Laboratory *Certificate of Analysis*

**Project Name:** HRCE, 7 Lancaster Dr, Herring Cove, Nova Scotia  
**Project No.:** 0348238.000  
**Prepared For:** C. Zhang / A. Thebeau

**Lab Reference No.:** b325517  
**Analyst(s):** R. Janssen / J. Stapleton / N. Gerrow

**Date Received:** October 11, 2024      **Samples Submitted:** 77  
**Date Analyzed:** October 21, 2024      **Phases Analyzed:** 83

---

The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis.

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

This report relates only to the items tested.

*This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.*



## Pinchin Ltd. Asbestos Laboratory

### Certificate of Analysis

**Project Name:** HRCE, 7 Lancaster Dr, Herring Cove, Nova Scotia  
**Project No.:** 0348238.000  
**Prepared For:** C. Zhang / A. Thebeau

**Lab Reference No.:** b325517  
**Date Analyzed:** October 21, 2024

#### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0004A Structure, Fireproofing (fibrous), Loc:1, Furnace Room	Homogeneous, grey, fibrous material.	None Detected	Man-Made Vitreous Fibres > 75% Non-Fibrous Material 10-25%
S0004B Structure, Fireproofing (fibrous), Loc:1, Furnace Room	Homogeneous, grey, fibrous material.	None Detected	Man-Made Vitreous Fibres > 75% Non-Fibrous Material 10-25%
S0004C Structure, Fireproofing (fibrous), Loc:1, Furnace Room	Homogeneous, grey, fibrous material.	None Detected	Man-Made Vitreous Fibres > 75% Non-Fibrous Material 10-25%
S0005A Duct, Mastic, Grey, Loc:1, Furnace Room	Homogeneous, grey, mastic material.	None Detected	Non-Fibrous Material > 75%
S0005B Duct, Mastic, Grey, Loc:8, Wood Lab Storage	2 Phases: a) Homogeneous, white, mastic material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, grey, mastic material.	None Detected	Non-Fibrous Material > 75%
S0005C Duct, Mastic, Grey, Loc:32, Storage	Homogeneous, grey, mastic material.	None Detected	Non-Fibrous Material > 75%
S0006A Wall, Texture Finish - Non Friable, Loc:1, Furnace Room	Homogeneous, grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0006B Wall, Texture Finish - Non Friable, Loc:7, Wood Lab	Homogeneous, grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	This sample is small in size. For more reliable results, a larger sample is required.		



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#### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0006C Wall, Texture Finish - Non Friable, Loc:16, Hallway	Homogeneous, grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
Comments:	This sample is small in size. For more reliable results, a larger sample is required.		
S0006D Wall, Texture Finish - Non Friable, Loc:58, Storage	Homogeneous, light grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0006E Wall, Texture Finish - Non Friable, Loc:61, Boys Washroom	Homogeneous, light grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0006F Wall, Texture Finish - Non Friable, Loc:62, Girls Washroom	Homogeneous, tan, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0006G Wall, Texture Finish - Non Friable, Loc:38, Learning Centre	Homogeneous, grey, hard, granular, cementitious material.	None Detected	Non-Fibrous Material > 75%
S0007A Floor, Vinyl Floor Tile And Mastic, 12" Grey With Black Parttens, Loc:2, Classroom	2 Phases: a) Homogeneous, light grey, consolidated, vinyl floor tile.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0007B Floor, Vinyl Floor Tile And Mastic, 12" Grey With Black Parttens, Loc:2, Classroom	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile.		Not Analyzed
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		



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#### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0007C Floor, Vinyl Floor Tile And Mastic, 12" Grey With Black Parttens, Loc:2, Classroom	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile.  b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Not Analyzed  Tar and other Non-Fibrous Material > 75%
Comments:	Analysis of phase a) was stopped due to a previous positive result.		
S0008A Ceiling, Ceiling Tiles (lay-in), Loc:2, Classroom	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 50-75% Man-Made Vitreous 10-25% Fibres Perlite 10-25% Other Non-Fibrous 0.5-5%
S0008B Ceiling, Ceiling Tiles (lay-in), Loc:3, Classroom	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 50-75% Man-Made Vitreous 10-25% Fibres Perlite 10-25% Other Non-Fibrous 0.5-5%
S0008C Ceiling, Ceiling Tiles (lay-in), Loc:4, Classroom	Homogeneous, beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 50-75% Man-Made Vitreous 10-25% Fibres Perlite 10-25% Other Non-Fibrous 0.5-5%
S0009A Floor, Vinyl Floor Tile And Mastic, 12" Beige With Light Brown Flecks, Loc:3, Classroom	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile.  b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 0.5-5%  Chrysotile 0.5-5%	Non-Fibrous Material > 75%  Tar and other Non-Fibrous Material > 75%





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### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0009B Floor, Vinyl Floor Tile And Mastic, 12" Beige With Light Brown Flecks, Loc:6, Classroom			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0009C Floor, Vinyl Floor Tile And Mastic, 12" Beige With Light Brown Flecks, Loc:14, Sewing Lab			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0010A Floor, Vinyl Floor Tile And Mastic, 12" Light Green With Dark Flecks, Loc:4, Classroom	Homogeneous, beige, consolidated, vinyl floor tile.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
Comments:	Another phase is present but there was insufficient material submitted to analyze.		
S0010B Floor, Vinyl Floor Tile And Mastic, 12" Light Green With Dark Flecks, Loc:19, Learning Centre			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0010C Floor, Vinyl Floor Tile And Mastic, 12" Light Green With Dark Flecks, Loc:25, Audio Visual			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0011A Piping, Parging Cement, Loc:4, Classroom	Homogeneous, grey, soft, parging cement.	Chrysotile 50-75%	Non-Fibrous Material 25-50%



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### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0011B Piping, Parging Cement, Loc:6, Classroom			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0011C Piping, Parging Cement, Loc:8, Wood Lab Storage			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0012A Floor, Vinyl Floor Tile And Mastic, 12" White With Black Flecks, Loc:5, Classroom	2 Phases: a) Homogeneous, light grey, consolidated, vinyl floor tile.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
S0012B Floor, Vinyl Floor Tile And Mastic, 12" White With Black Flecks, Loc:11, Science Lab			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0012C Floor, Vinyl Floor Tile And Mastic, 12" White With Black Flecks, Loc:13, Science Lab Storage			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0013A Ceiling, Adhesive/mastic, Loc:7, Wood Lab	Homogeneous, dark brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
S0013B Ceiling, Adhesive/mastic, Loc:7, Wood Lab	Homogeneous, dark brown, adhesive material.	None Detected	Non-Fibrous Material > 75%





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#### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0013C Ceiling, Adhesive/mastic, Loc:7, Wood Lab	Homogeneous, dark brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
S0014A Ceiling, Drywall And Joint Compound, Loc:9, Storage	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0014B Wall, Drywall And Joint Compound, Loc:16, Hallway	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0014C Wall, Drywall And Joint Compound, Loc:25, Audio Visual	Homogeneous, off-white, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
S0014D Wall, Drywall And Joint Compound, Loc:27, Cafeteria	Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
S0014E Wall, Drywall And Joint Compound, Loc:28, Office Hallway	2 Phases: a) Homogeneous, white, drywall joint compound.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, pale beige, soft, cementitious material.	None Detected	Perlite 5-10% Other Non-Fibrous > 75%
S0014F Wall, Drywall And Joint Compound, Loc:35, Classroom	Homogeneous, pale beige, soft, cementitious material.	None Detected	Perlite 5-10% Other Non-Fibrous > 75%
S0014G Wall, Drywall And Joint Compound, Loc:56, Classroom	Homogeneous, off-white, drywall joint compound.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%



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### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0015A Mastic, White, Loc:11, Science Lab	Homogeneous, white, mastic material.	None Detected	Non-Fibrous Material > 75%
S0015B Mastic, White, Loc:34, Teachers Room	Homogeneous, white, mastic material.	None Detected	Non-Fibrous Material > 75%
S0015C Mastic, White, Loc:11, Science Lab	Homogeneous, white, mastic material.	None Detected	Non-Fibrous Material > 75%
S0016A Floor, Vinyl Floor Tile And Mastic, 12" Green With White Flecks, Loc:12, Sciences Lab Storage	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 5-10%	Tar and other Non-Fibrous Material > 75%
S0016B Floor, Vinyl Floor Tile And Mastic, 12" Green With White Flecks, Loc:17, Storage Room			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0016C Floor, Vinyl Floor Tile And Mastic, 12" Green With White Flecks, Loc:24, Office			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0017A Mastic, Gold, Loc:14, Sewing Lab	Homogeneous, black, tar material.	Chrysotile 5-10%	Tar and other Non-Fibrous Material > 75%
S0017B Mastic, Gold, Loc:15, Food Lab			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		



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### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0017C Mastic, Gold, Loc:15, Food Lab			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0018A Floor, Vinyl Floor Tile And Mastic, 12" Black With White Streaks, Loc:18, Resource Room	2 Phases: a) Homogeneous, black, consolidated, vinyl floor tile.  b) Homogeneous, yellow, soft, sticky material on the back of vinyl floor tile.	None Detected  None Detected	Non-Fibrous Material > 75%  Non-Fibrous Material > 75%
S0018B Floor, Vinyl Floor Tile And Mastic, 12" Black With White Streaks, Loc:18, Resource Room	2 Phases: a) Homogeneous, black, consolidated, vinyl floor tile.  b) Non-homogeneous, yellow and black, soft, sticky material on the back of vinyl floor tile.	None Detected  Chrysotile 0.5-5%	Non-Fibrous Material > 75%  Tar and other Non-Fibrous Material > 75%
S0018C Floor, Vinyl Floor Tile And Mastic, 12" Black With White Streaks, Loc:18, Resource Room	2 Phases: a) Homogeneous, black, consolidated, vinyl floor tile.  b) Non-homogeneous, yellow and black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75%  Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		



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#### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0019A Floor, Vinyl Floor Tile And Mastic, 12" White With Black Streaks, Loc:18, Resource Room	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, yellow and black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
S0019B Floor, Vinyl Floor Tile And Mastic, 12" White With Black Streaks, Loc:28, Office Hallway	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, yellow and black, soft, sticky material on the back of vinyl floor tile.		Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0019C Floor, Vinyl Floor Tile And Mastic, 12" White With Black Streaks, Loc:28, Office Hallway	2 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Non-homogeneous, yellow and black, soft, sticky material on the back of vinyl floor tile.		Not Analyzed
S0020A Floor, Vinyl Floor Tile And Mastic, 12" Blue With Blue And White Flecks, Loc:21, Closet	2 Phases: a) Homogeneous, blue, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 5-10%	Non-Fibrous Material > 75%



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### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0020B Floor, Vinyl Floor Tile And Mastic, 12" Blue With Blue And White Flecks, Loc:21, Closet	3 Phases: a) Homogeneous, blue, consolidated, vinyl floor tile.  b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.  c) Homogeneous, beige, soft, cementitious material.	None Detected   Chrysotile 0.5-5%	Non-Fibrous Material > 75%  Not Analyzed  Non-Fibrous Material > 75%
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0020C Floor, Vinyl Floor Tile And Mastic, 12" Blue With Blue And White Flecks, Loc:21, Closet	2 Phases: a) Homogeneous, blue, consolidated, vinyl floor tile.  b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Non-Fibrous Material > 75%  Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0021A Floor, Vinyl Floor Tile And Mastic, 12" Brown With	Homogeneous, pale beige, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
S0021B Floor, Vinyl Floor Tile And Mastic, 12" Brown With Brown And White Flecks, Loc:41, Reception	2 Phases: a) Homogeneous, pale beige, consolidated, vinyl floor tile.  b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected  None Detected	Non-Fibrous Material > 75%  Tar and other Non-Fibrous Material > 75%



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#### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0021C Floor, Vinyl Floor Tile And Mastic, 12" Brown With Brown And White Flecks, Loc:46, Washroom	2 Phases: a) Homogeneous, pale beige, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 0.5-5%	Tar and other Non-Fibrous Material > 75%
S0022A Floor, Vinyl Floor Tile And Mastic, 12" Dark Blue With Dark And White Streaks, Loc:29, Office	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile 0.5-5%	Tar and other Non-Fibrous Material > 75%
S0022B Floor, Vinyl Floor Tile And Mastic, 12" Dark Blue With Dark And White Streaks, Loc:30, Office	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.		Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		
S0022C Floor, Vinyl Floor Tile And Mastic, 12" Dark Blue With Dark And White Streaks, Loc:30, Office	2 Phases: a) Homogeneous, grey, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.		Not Analyzed
Comments:	Analysis of phase b) was stopped due to a previous positive result.		



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#### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0023A Floor, Vinyl Floor Tile And Mastic, 12" Light Beige With Blue Streaks, Loc:40, Storage Room	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0023B Floor, Vinyl Floor Tile And Mastic, 12" Light Beige With Blue Streaks, Loc:40, Storage Room	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0023C Floor, Vinyl Floor Tile And Mastic, 12" Light Beige With Blue Streaks, Loc:40, Storage Room	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0024A Floor, Vinyl Floor Tile And Mastic, 12" Dark Green With Light Flecks, Loc:42, Janitor's Closet	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%
S0024B Floor, Vinyl Floor Tile And Mastic, 12" Dark Green With Light Flecks, Loc:42, Janitor's Closet	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected	Tar and other Non-Fibrous Material > 75%



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### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0024C Floor, Vinyl Floor Tile And Mastic, 12" Dark Green With Light Flecks, Loc:42, Janitor's Closet	2 Phases: a) Homogeneous, green, consolidated, vinyl floor tile.  b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	None Detected  None Detected	Non-Fibrous Material > 75%  Tar and other Non-Fibrous Material > 75%
S0025A Wall, Caulking, Light Grey, Loc:75, Exterior	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0025B Wall, Caulking, Light Grey, Loc:75, Exterior	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0025C Wall, Caulking, Light Grey, Loc:75, Exterior	Homogeneous, grey, caulking material.	None Detected	Non-Fibrous Material > 75%
S0026A Wall, Caulking, Dark Grey, Loc:75, Exterior	Homogeneous, dark brown, caulking material.	Chrysotile 0.5-5%	Non-Fibrous Material > 75%
S0026B Wall, Caulking, Dark Grey, Loc:75, Exterior			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		
S0026C Wall, Caulking, Dark Grey, Loc:75, Exterior			Not Analyzed
Comments:	Analysis was stopped due to a previous positive result.		

Reviewed by:

Reporting Analyst:

Pinchin Ltd.  
2024.10.21 16:41:43-03'00'

Pinchin Ltd.  
2024.10.21 16:39:54-03'00'



Analyzed By: RS/IS/NGReviewed By: JSReport Sent By: 

## Pinchin Ltd. - Asbestos Laboratory

### Internal Asbestos Bulk Sample Chain of Custody

#### Special Instructions:

Client Name:	HRCE	Project Address:	7 Lancaster Dr, Herring Cove, Nova Scotia
Portfolio/Building No:		Pinchin File:	348238
Submitted by:	Chen Zhang	Email:	<a href="mailto:czhang@pinchin.com">czhang@pinchin.com</a>
CC Results to:	Allain Thebeau	CC Email:	<a href="mailto:athebeau@pinchin.com">athebeau@pinchin.com</a>
Date Submitted:	October 11 2024	Required by:	October 18 2024
# of Samples:	77	Priority:	5 Day Turnaround
Year of Building Construction (Mandatory, Years ONLY):	1974		
Do NOT Stop on Positive (Sample Numbers):	S0006A-G; S0014A-G;		
Pinchin Group Company (Mandatory Field):	Pinchin		
HMIS2 Building Reference #:	140640/20249891677472		

#### To be Completed by Lab Personnel Only:

Lab Reference #:	0325517	Time:	24 hour clock
Received by:	N. Gerrow	Date:	Oct 11 <sup>th</sup> 2024
Name(s) of Analyst(s):	R. Janssen / J. Stapleton / N. Gerrow		

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)	
S	0004	A	Structure, Fireproofing (fibrous), Loc:1, Furnace Room	NO
S	0004	B	Structure, Fireproofing (fibrous), Loc:1, Furnace Room	NO
S	0004	C	Structure, Fireproofing (fibrous), Loc:1, Furnace Room	NO
S	0005	A	Duct, Mastic, Grey, Loc:1, Furnace Room	NO
S	0005	B	Duct, Mastic, Grey, Loc:8, Wood Lab Storage	a) NO b) NO
S	0005	C	Duct, Mastic, Grey, Loc:32, Storage	NO
S	0006	A	Wall, Texture Finish - Non Friable, Loc:1, Furnace Room	NO

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0006	B	Wall, Texture Finish - Non Friable, Loc:7, Wood Lab MD
S	0006	C	Wall, Texture Finish - Non Friable, Loc:16, Hallway MD
S	0006	D	Wall, Texture Finish - Non Friable, Loc:58, Storage MD
S	0006	E	Wall, Texture Finish - Non Friable, Loc:61, Boys Washroom MD
S	0006	F	Wall, Texture Finish - Non Friable, Loc:62, Girls Washroom MD
S	0006	G	Wall, Texture Finish - Non Friable, Loc:38, Learning Centre MD
S	0007	A	Floor, Vinyl Floor Tile And Mastic, 12" Grey With Black Parttens, Loc:2, Classroom a) CHO.5-S b) MD
S	0007	B	Floor, Vinyl Floor Tile And Mastic, 12" Grey With Black Parttens, Loc:2, Classroom a) (NA) b) MD
S	0007	C	Floor, Vinyl Floor Tile And Mastic, 12" Grey With Black Parttens, Loc:2, Classroom a) (NA) b) MD
S	0008	A	Ceiling, Ceiling Tiles (lay-in), Loc:2, Classroom MD
S	0008	B	Ceiling, Ceiling Tiles (lay-in), Loc:3, Classroom MD
S	0008	C	Ceiling, Ceiling Tiles (lay-in), Loc:4, Classroom MD
S	0009	A	Floor, Vinyl Floor Tile And Mastic, 12" Beige With Light Brown Flecks, Loc:3, Classroom a) CHO.5-S b) CHO.5-S
S	0009	B	Floor, Vinyl Floor Tile And Mastic, 12" Beige With Light Brown Flecks, Loc:6, Classroom (NA)
S	0009	C	Floor, Vinyl Floor Tile And Mastic, 12" Beige With Light Brown Flecks, Loc:14, Sewing Lab (NA)
S	0010	A	Floor, Vinyl Floor Tile And Mastic, 12" Light Green With Dark Flecks, Loc:4, Classroom CHO.5-S



Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0010	B	Floor, Vinyl Floor Tile And Mastic, 12" Light Green With Dark Flecks, Loc:19, Learning Centre (NA)
S	0010	C	Floor, Vinyl Floor Tile And Mastic, 12" Light Green With Dark Flecks, Loc:25, Audio Visual (NA)
S	0011	A	Piping, Parging Cement, Loc:4, Classroom CH 50-7S
S	0011	B	Piping, Parging Cement, Loc:6, Classroom (NA)
S	0011	C	Piping, Parging Cement, Loc:8, Wood Lab Storage (NA)
S	0012	A	Floor, Vinyl Floor Tile And Mastic, 12" White With Black Flecks, Loc:5, Classroom a) CH 0.5-S b) CH 0.5-S
S	0012	B	Floor, Vinyl Floor Tile And Mastic, 12" White With Black Flecks, Loc:11, Science Lab (NA)
S	0012	C	Floor, Vinyl Floor Tile And Mastic, 12" White With Black Flecks, Loc:13, Science Lab Storage (NA)
S	0013	A	Ceiling, Adhesive/mastic, Loc:7, Wood Lab MD
S	0013	B	Ceiling, Adhesive/mastic, Loc:7, Wood Lab MD
S	0013	C	Ceiling, Adhesive/mastic, Loc:7, Wood Lab MD
S	0014	A	Ceiling, Drywall And Joint Compound, Loc:9, Storage MD
S	0014	B	Wall, Drywall And Joint Compound, Loc:16, Hallway MD
S	0014	C	Wall, Drywall And Joint Compound, Loc:25, Audio Visual CH 0.5-S
S	0014	D	Wall, Drywall And Joint Compound, Loc:27, Cafeteria MD
S	0014	E	Wall, Drywall And Joint Compound, Loc:28, Office Hallway a) MD b) MD

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0014	F	Wall, Drywall And Joint Compound, Loc: 35, Classroom <span style="float: right;">ND</span>
S	0014	G	Wall, Drywall And Joint Compound, Loc: 56, Classroom <span style="float: right;">CH0.5-5</span>
S	0015	A	Mastic, White, Loc: 11, Science Lab <span style="float: right;">ND</span>
S	0015	B	Mastic, White, Loc: 34, Teachers Room <span style="float: right;">ND</span>
S	0015	C	Mastic, White, Loc: 11, Science Lab <span style="float: right;">ND</span>
S	0016	A	Floor, Vinyl Floor Tile And Mastic, 12" Green With White Flecks, Loc: 12, Sciences Lab Storage <span style="float: right;">a) CH0.5-5    b) CH5-10</span>
S	0016	B	Floor, Vinyl Floor Tile And Mastic, 12" Green With White Flecks, Loc: 17, Storage Room <span style="float: right;">(na)</span>
S	0016	C	Floor, Vinyl Floor Tile And Mastic, 12" Green With White Flecks, Loc: 24, Office <span style="float: right;">(na)</span>
S	0017	A	Mastic, Gold, Loc: 14, Sewing Lab <span style="float: right;">CH5-10</span>
S	0017	B	Mastic, Gold, Loc: 15, Food Lab <span style="float: right;">(na)</span>
S	0017	C	Mastic, Gold, Loc: 15, Food Lab <span style="float: right;">(na)</span>
S	0018	A	Floor, Vinyl Floor Tile And Mastic, 12" Black With White Streaks, Loc: 18, Resource Room <span style="float: right;">a) ND    b) ND</span>
S	0018	B	Floor, Vinyl Floor Tile And Mastic, 12" Black With White Streaks, Loc: 18, Resource Room <span style="float: right;">a) ND    b) CH0.5-5</span>
S	0018	C	Floor, Vinyl Floor Tile And Mastic, 12" Black With White Streaks, Loc: 18, Resource Room <span style="float: right;">a) ND    b) (na)</span>
S	0019	A	Floor, Vinyl Floor Tile And Mastic, 12" White With Black Streaks, Loc: 18, Resource Room <span style="float: right;">a) ND    b) CH0.5-5</span>
S	0019	B	Floor, Vinyl Floor Tile And Mastic, 12" White With Black Streaks, Loc: 28, Office Hallway <span style="float: right;">a) ND    b) (na)</span>



Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0019	C	Floor, Vinyl Floor Tile And Mastic, 12" White With Black Streaks, Loc:28, Office Hallway a)ND b)(na)
S	0020	A	Floor, Vinyl Floor Tile And Mastic, 12" Blue With Blue And White Flecks, Loc:21, Cloest a)ND b)CH 5-10
S	0020	B	Floor, Vinyl Floor Tile And Mastic, 12" Blue With Blue And White Flecks, Loc:21, Cloest a)ND b)(na) c)CH 0.5-5
S	0020	C	Floor, Vinyl Floor Tile And Mastic, 12" Blue With Blue And White Flecks, Loc:21, Cloest a)ND b)(na)
S	0021	A	Floor, Vinyl Floor Tile And Mastic, 12" Brown With Brown And White Streaks, Loc:23, Storage Room ND
S	0021	B	Floor, Vinyl Floor Tile And Mastic, 12" Brown With Brown And White Flecks, Loc:41, Reception a)ND b)ND
S	0021	C	12" Brown with Brown And White Flecks Floor, Vinyl Floor Tile And Mastic, Loc:46, Washroom a)ND b)CH 0.5-5
S	0022	A	Floor, Vinyl Floor Tile And Mastic, 12" Dark Blue With Dark And White Streaks, Loc:29, Office a)ND b)CH 0.5-5
S	0022	B	Floor, Vinyl Floor Tile And Mastic, 12" Dark Blue With Dark And White Streaks, Loc:30, Office a)ND b)(na)
S	0022	C	Floor, Vinyl Floor Tile And Mastic, 12" Dark Blue With Dark And White Streaks, Loc:30, Office a)ND b)(na)
S	0023	A	Floor, Vinyl Floor Tile And Mastic, 12" Light Beige With Blue Streaks, Loc:40, Storage Room a)ND b)ND
S	0023	B	Floor, Vinyl Floor Tile And Mastic, 12" Light Beige With Blue Streaks, Loc:40, Storage Room a)ND b)ND
S	0023	C	Floor, Vinyl Floor Tile And Mastic, 12" Light Beige With Blue Streaks, Loc:40, Storage Room a)ND b)ND
S	0024	A	Floor, Vinyl Floor Tile And Mastic, 12" Dark Green With Light Flecks, Loc:42, Janitor's Cloest a)ND b)ND
S	0024	B	Floor, Vinyl Floor Tile And Mastic, 12" Dark Green With Light Flecks, Loc:42, Janitor's Cloest a)ND b)ND
S	0024	C	Floor, Vinyl Floor Tile And Mastic, 12" Dark Green With Light Flecks, Loc:42, Janitor's Cloest a)ND b)ND

32577

Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location (Mandatory)
S	0025	A	Wall, Caulking, Light Grey, Loc: 75, Exterior ND
S	0025	B	Wall, Caulking, Light Grey, Loc: 75, Exterior ND
S	0025	C	Wall, Caulking, Light Grey, Loc: 75, Exterior ND
S	0026	A	Wall, Caulking, Dark Grey, Loc: 75, Exterior CH 0.5-5
S	0026	B	Wall, Caulking, Dark Grey, Loc: 75, Exterior (NA)
S	0026	C	Wall, Caulking, Dark Grey, Loc: 75, Exterior (NA)

4



## Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

November 14, 2024

FirstOnSite Restoration Ltd.  
39 Gurholt Drive  
Dartmouth NS B3B 1J8

Attention: Jason Kerrivan  
Lab Reference No.: b327611  
Client Project Name: HRCE  
Client Project No.: DM24 JK253  
Date Received: November 14, 2024  
Date Analyzed: November 14, 2024  
Analyst(s): R. Janssen  
# Samples submitted: 3  
# Phases analyzed: 6

### Methods of Analysis:

#### **EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993**

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared with representative portions of material and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. MA-244). Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Alberta	Undefined
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
PEI, NWT, Yukon, Nunavut, Newfoundland and Labrador, and New Brunswick	1%	Manitoba	0.1% friable 1% non-friable

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017.

This report relates only to the items tested. If you have any questions, please feel free to contact me.

Regards,

**NOTE:** This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst and the laboratory manager. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty are available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.



## Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Client Project Name: HRCE  
Client Project No.: DM24 JK253  
Prepared For: Jason Kerrivan

Lab Reference No.: b327611  
Date Analyzed: November 14, 2024

### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
1 Ceiling Tile 2nd FL Hall	2 Phases: a) Homogeneous, dark brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, dark beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-Made Vitreous 25-50% Fibres Perlite 5-10% Other Non-Fibrous 5-10%
2 Mastic	2 Phases: a) Homogeneous, dark brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, dark beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-Made Vitreous 25-50% Fibres Perlite 5-10% Other Non-Fibrous 5-10%
3 Ceiling Tile Basement Hall	2 Phases: a) Homogeneous, dark brown, adhesive material.	None Detected	Non-Fibrous Material > 75%
	b) Homogeneous, dark beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-Made Vitreous 25-50% Fibres Perlite 5-10% Other Non-Fibrous 5-10%

Reviewed by:

Pinchin Ltd.  
2024.11.14 16:10:15-04'00'

Reporting Analyst:

Pinchin Ltd.  
2024.11.14 15:47:23-04'00'





## Pinchin Ltd. Asbestos Laboratory *Certificate of Analysis*

**Project Name:** HRCE, HC, NS  
**Project No.:** 0348238.000  
**Prepared For:** A. Penney / A. Thebeau

**Lab Reference No.:** b328103  
**Analyst(s):** J. Stapleton

<b>Date Received:</b>	<b>November 22, 2024</b>	<b>Samples Submitted:</b>	<b>1</b>
<b>Date Analyzed:</b>	<b>November 22, 2024</b>	<b>Phases Analyzed:</b>	<b>1</b>

---

The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples,' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017. The Pinchin asbestos laboratory uses the aforementioned methods of analysis.

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with provincial regulatory requirements where applicable. Multiple phases within a sample are analyzed and reported separately.

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

This report relates only to the items tested.

*This report relates only to the items tested and is valid only when signed with a protected, authorized, electronic signature. This report may not be reproduced, except in full, without the written approval of Pinchin Ltd. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. Internal verification studies, quality assurance / control data and laboratory documentation on measurement uncertainty are available upon request.*



**Pinchin Ltd. Asbestos Laboratory**  
***Certificate of Analysis***

**Project Name:** HRCE, HC, NS  
**Project No.:** 0348238.000  
**Prepared For:** A. Penney / A. Thebeau

**Lab Reference No.:** b328103  
**Date Analyzed:** November 22, 2024

**BULK SAMPLE ANALYSIS**

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)	
		ASBESTOS	OTHER
S0027C Ceiling, Ceiling Tiles (glue-on), 1x1, Loc:72, Hallway	Homogeneous, dark beige, layered, compressed, acoustic ceiling tile.	None Detected	Cellulose 25-50% Man-Made Vitreous 25-50% Fibres Perlite 5-10% Other Non-Fibrous 5-10%

**Reviewed by:**

Pinchin Ltd.  
2024.11.22 12:27:07-04'00'

**Reporting Analyst:**

Pinchin Ltd.  
2024.11.22 12:22:08-04'00'

Analyzed By: JSReviewed By: NG

Report Sent By: \_\_\_\_\_

**Pinchin Ltd. - Asbestos Laboratory**  
**Internal Asbestos Bulk Sample Chain of Custody**

**Special Instructions:**

Client Name:	HRCE	Project Address:	NS
Portfolio/Building No:	HC	Pinchin File:	348238
Submitted by:	apenney	Email:	apenney@pinchin.com
CC Results to:	athebeau	CC Email:	athebeau@pinchin.com
Date Submitted:	November 22 2024	Required by:	Month Day 2024
# of Samples:	1	Priority:	Rush Turnaround
Year of Building Construction ( <i>Mandatory, Years ONLY</i> ):			
Do NOT Stop on Positive (Sample Numbers):			
Pinchin Group Company ( <i>Mandatory Field</i> ): Pinchin			
HMIS2 Building Reference #: 140640/20249891677472			
<b>To be Completed by Lab Personnel Only:</b>			
Lab Reference #:	b 328103		Time: 24 hour clock
Received by:	J. Stapleton		Date: Nov 22/24 Month Day Year
Name(s) of Analyst(s):	J. Stapleton		
Sample Prefix	Sample No.	Sample Suffix	Sample Description/Location ( <i>Mandatory</i> )
S	0027	C	Ceiling, Ceiling Tiles (glue-on), 1x1, Loc: 72, Hallway ND

**APPENDIX II-B**  
**Lead Analytical Certificates**

**EMSL Canada Inc.**

2756 Slough Street, Mississauga, ON L4T 1G3

Phone/Fax: (289) 997-4602 / (289) 997-4607

<http://www.EMSL.com>[torontolab@emsl.com](mailto:torontolab@emsl.com)

EMSL Canada Or 552416375

CustomerID: 55PINC50

CustomerPO: 348238.000

ProjectID:

Attn: **Chen Zhang**  
**Pinchin Environmental**  
**42 Dorey Avenue**  
**Dartmouth, Nova Scotia, NS B3B 0B1**

Phone: (902) 461-9999  
Fax: (902) 461-9932  
Received: 10/15/2024 10:27 AM  
Collected: 10/10/2024

Project: **348238.000****Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)\***

<i>Client Sample</i>	<i>Description</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>RDL</i>	<i>Lead Concentration</i>
L0001-grey 552416375-0001	10/10/2024 10/16/2024 Site: Loc. 01			0.2504 g	80 ppm	2700 ppm
L0002-yellow 552416375-0002	10/10/2024 10/16/2024 Site: Loc. 01			0.2486 g	80 ppm	530 ppm
L0003-white 552416375-0003	10/10/2024 10/16/2024 Site: Loc. 02			0.2472 g	81 ppm	200 ppm
L0004-light blue 552416375-0004	10/10/2024 10/16/2024 Site: Loc. 14			0.2481 g	400 ppm	13000 ppm
L0005-light green 552416375-0005	10/10/2024 10/16/2024 Site: Loc. 16			0.2568 g	80 ppm	1100 ppm
L0006-dark blue 552416375-0006	10/10/2024 10/16/2024 Site: Loc. 29			0.2513 g	80 ppm	<80 ppm
L0007-light grey 552416375-0007	10/10/2024 10/16/2024 Site: Loc. 30			0.2501 g	80 ppm	940 ppm
L0008- dark grey 552416375-0008	10/10/2024 10/16/2024 Site: Loc. 36			0.2474 g	81 ppm	<81 ppm
L0009-baby blue 552416375-0009	10/10/2024 10/16/2024 Site: Loc. 52			0.2530 g	80 ppm	<80 ppm
L0010-red 552416375-0010	10/10/2024 10/16/2024 Site: Loc. 56			0.2491 g	800 ppm	24000 ppm
L0011-blue 552416375-0011	10/10/2024 10/16/2024 Site: Loc. 75			0.2543 g	80 ppm	<80 ppm

Rowena Fanto, Lead Supervisor  
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

\* Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Canada Inc. Mississauga, ON AIHA LAP, LLC-ELLAP Accredited #196142

Initial report from 10/22/2024 10:00:53

**APPENDIX II-C**  
**PCB Analytical Certificates**

CLIENT NAME: PINCHIN LTD.  
42 Dorey Avenue  
Dartmouth, NS B3B0B1  
(902) 461-9999

ATTENTION TO: CHEN ZHANG

PROJECT: 248238

AGAT WORK ORDER: 24X208247

TRACE ORGANICS REVIEWED BY: Ashleigh Dussault, Inorganics Laboratory Supervisor

DATE REPORTED: Oct 23, 2024

PAGES (INCLUDING COVER): 5

VERSION\*: 1

Should you require any information regarding this analysis please contact your client services representative at (902) 468-8718

\*Notes

*Disclaimer:*

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Project Manager for details.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
- This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the guidelines contained in this document.
- All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Quebec), DR-12-PALA and/or NELAP Standards.
- This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, CCN and NELAP.
- For environmental samples in the Province of Quebec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.



**AGAT** Laboratories

## Certificate of Analysis

AGAT WORK ORDER: 24X208247

PROJECT: 248238

11 Morris Drive, Unit 122  
Dartmouth, Nova Scotia  
CANADA B3B 1M2  
TEL (902)468-8718  
FAX (902)468-8924  
<http://www.agatlabs.com>

CLIENT NAME: PINCHIN LTD.

SAMPLING SITE:

ATTENTION TO: CHEN ZHANG

SAMPLED BY:

### Total Polychlorinated Biphenyls in Paint

DATE RECEIVED: 2024-10-11

DATE REPORTED: 2024-10-23

		P0001, LIGHT GREY CAULKING, LOC 75 SAMPLE TYPE: Solid DATE SAMPLED: 2024-10-10		P0002, DARK GREY CAULKING, LOC 75 SAMPLE TYPE: Solid DATE SAMPLED: 2024-10-10	
Parameter	Unit	G / S	RDL	6217584	6217589
Total PCBs	mg/kg		0.5	1770	<0.5
Surrogate	Unit	Acceptable Limits			
Decachlorobiphenyl	%	60-140	9400	87	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard  
Analysis performed at AGAT Halifax (unless marked by \*)

Certified By:

Ashleigh  
Dussalt



## Quality Assurance

CLIENT NAME: PINCHIN LTD.

PROJECT: 248238

SAMPLING SITE:

AGAT WORK ORDER: 24X208247

ATTENTION TO: CHEN ZHANG

SAMPLED BY:

### Trace Organics Analysis

RPT Date: Oct 23, 2024			DUPLICATE			Method Blank	REFERENCE MATERIAL		METHOD BLANK SPIKE		MATRIX SPIKE	
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper

Total Polychlorinated Biphenyls in Paint

Total PCBs	1	999	0.5	0.5	NA	< 0.5	102%	60%	140%	105%	60%	140%	105%	60%	140%
------------	---	-----	-----	-----	----	-------	------	-----	------	------	-----	------	------	-----	------

Comments: If Matrix spike value is NA, the spiked analyte concentration was lower than that of the matrix contribution.

If RPD value is NA, the results of the duplicates are less than 5x the RDL and the RPD will not be calculated.

Surrogate not within acceptance limits due to the nature of the sample.

Certified By:



## Method Summary

CLIENT NAME: PINCHIN LTD.

AGAT WORK ORDER: 24X208247

PROJECT: 248238

ATTENTION TO: CHEN ZHANG

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Total PCBs	ORG-120-5107	EPA SW-846 8082	GC/ECD
Decachlorobiphenyl	ORG-120-5106	EAP SW846 3510C/8080/8010	GC/ECD



Phone: 902-468-8718  
Fax: 902-468-8924  
[www.agatlabs.com](http://www.agatlabs.com)

Arrival Condition: ☒ Good ☐ Poor (complete 'notes')  
Arrival Temperature: 21.6 AGAT Job Number: 24X208247  
Notes: \_\_\_\_\_

Waterworks Number: \_\_\_\_\_

## Page 5 of 5

## **APPENDIX III**

### **Methodology**



## **1.0 GENERAL**

An investigation was conducted to identify the type of Hazardous Building Materials incorporated in the structure and its finishes.

Information regarding the location and condition of hazardous building materials encountered and visually estimated quantities were recorded. The locations of any samples collected were recorded on small-scale plans. As-built drawings and previous reports were referenced where provided.

Sample collection was conducted in accordance with our Standard Operating Procedures.

### **1.1 Asbestos**

The investigation for asbestos included friable and non-friable asbestos-containing materials (ACM). A friable material is a material that when dry can be crumbled, pulverized or powdered by hand pressure, or a material that has already become crushed, pulverized, or powdered.

A separate set of samples was collected of each type of homogenous material suspected to contain asbestos. A homogenous material is defined by the US EPA as material that is uniform in texture and appearance, was installed at one time, and is unlikely to consist of more than one type or formulation of material. The homogeneous materials were determined by visual examination and available information on the phases of construction and prior renovations.

Samples were collected at a rate that is in compliance with the requirements of local regulations and guidelines. The sampling strategy was also based on known ban dates and phase out dates of the use of asbestos; sampling of certain building materials is not conducted after specific construction dates. In addition, to be conservative, several years past these dates are added to account for some uncertainty in the exact start / finish date of construction and associated usage of ACM. In some cases, manufactured products such as asbestos cement pipe were visually identified without sample confirmation.

The asbestos analysis of select materials was completed using a stop-positive approach. Only one result meeting the regulated criteria was required to determine that a material is asbestos-containing, but all samples must be analyzed to conclusively determine that a material is non-asbestos. The laboratory stopped analyzing samples from a homogeneous material once a result equal to or greater than the regulated criteria is detected in any of the samples of that material. All samples of a homogeneous material were analyzed if no asbestos is detected. In some cases, all samples were analyzed in the sample set regardless of result.

The analysis was performed in accordance with Test Method EPA/600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, July 1993.

Analytical results were compared to the following criteria:

<b>Jurisdiction</b>	<b>Friable</b>	<b>Non-Friable</b>
Nova Scotia	0.5% <sup>1</sup>	0.5%

Where building materials are described in the report as “non-asbestos” or “does not contain asbestos”, this means that either no asbestos was detected by the analytical method utilized in any of the multiple samples or, if detected, it is below the lower limit of an asbestos-containing material in the applicable regulation. Additionally, these terms are used for materials which historically are known to not include asbestos in their manufacturing.

Asbestos materials were evaluated in order to make recommendations regarding any remedial work. The priority for remedial action was based on several factors:

- Friability (friable or non-friable)
- Condition (good, fair, poor, debris)
- Accessibility (ranking from accessible to all building users to inaccessible)
- Visibility (whether the material is obscured by other building components)
- Efficiency of the work (for example, if damaged ACM is being removed in an area, it may be most practical to remove all ACM in the area even if it is in good condition)

For a complete description of the Evaluation Criteria and Basis of Recommendations, refer to Annex A.

## **1.2 Lead**

Samples of distinctive paint finishes, and surface coatings present in more than a limited application, where removal of the paint is possible were collected. The samples were collected by scraping the painted finish to include base and covering applications.

Analysis for lead in paints or surface coatings was performed in accordance with EPA Method No. 3050B/Method No. 7420; flame atomic absorption.

Analytical results were compared to the following criteria.

<b>Jurisdiction</b>	<b>Units (%)</b>	<b>Units (ppm) / (mg/kg)</b>
Nova Scotia	0.009	90

Other lead building products (e.g. batteries, lead sheeting, flashing) were identified by visual observation only.

### **1.3 Silica**

Building materials known to contain crystalline silica (e.g. concrete, cement, tile, brick, masonry, mortar) were identified by visual inspection only. Pinchin did not perform sampling of these materials for laboratory analysis of crystalline silica content.

### **1.4 Mercury**

Building materials, products or equipment (e.g. thermostats, barometers, pressure gauges, lamp tubes), suspected to contain mercury were identified by visual inspection only. Dismantling of equipment suspected of containing mercury was not performed. Sampling of these materials for laboratory analysis of mercury content was not performed.

### **1.5 Polychlorinated Biphenyls**

The potential for light ballast and oil filled transformers to contain PCBs was based on the age of the building, a review of maintenance records, and examination of labels or nameplates on equipment, where present and accessible. The information was compared to known ban dates of PCBs and Environment Canada publications.

Dry type transformers were presumed to be free of dielectric fluids and hence non-PCB.

Fluids (mineral oil, hydraulic, Aroclor or Askarel) in transformers or other equipment were not sampled for PCB content.

Caulking, sealants, or paints were sampled and submitted for PCB analysis following EPA 3550C/8082A.

Sample results are compared to the criteria of 50 mg/kg for solids as stated in the PCB Regulation, SOR/2008-273.

### **1.6 Visible Mould**

The presence of mould or water damage was determined by visual inspection of exposed building surfaces. If any mould growth or water damage was concealed within building cavities it was not addressed in this assessment.

Template: Methodology for Hazardous Building Materials Assessment, HAZ, November 13 2024

## **METHODOLOGY ANNEX A EVALUATION CRITERIA**



## 1.0 EVALUATION CRITERIA AND BASIS OF RECOMMENDATIONS

The detailed asbestos assessment provides information regarding the location, condition, accessibility and friability of the asbestos-containing materials (ACM). In order to make recommendations for compliance with current regulations, Pinchin developed the following criteria.

## 2.0 EVALUATION OF CONDITION

### 2.1 Friable Sprayed or Trowelled Fireproofing, Thermal Insulation and Texture Finishes (Surfacing Materials)

To evaluate the condition of ACM sprayed or trowelled on fireproofing, sprayed or trowelled thermal insulation (non-mechanical), or texture, decorative or acoustic finishes, the following criteria are applied:

<b>Good</b>	Surface of material shows no significant signs of damage, deterioration or delamination. Good condition includes unencapsulated or unpainted fireproofing or texture finishes, where no or limited delamination or damage is observed, or encapsulated fireproofing or texture finishes where the encapsulant or paint has been applied after the damage or fallout occurred.
<b>Poor</b>	A sprayed material that shows signs of significant damage or is significantly delaminating or deteriorating. This may be limited to surface delamination or some portion of the substrate may be exposed.

In Locations where damage exists in isolated areas, both good and poor condition may be applicable. The extent of each condition will be recorded. Fair condition is not utilized in the evaluation of ACM sprayed or trowelled fireproofing, sprayed or trowelled thermal insulation (non-mechanical), or texture, decorative or acoustic finishes.

The evaluation of the above products above ceilings may be limited by the number of observations and by building components such as ducts or full height walls that obstruct the above ceiling observations.

### 2.2 Friable Mechanical or Thermal System Insulation (TSI)

To evaluate the condition of mechanical insulation on vessels, boilers, breeching, ducts, pipes, fan units, equipment etc. the following criteria are applied:

<b>Good</b>	Insulation is completely covered in jacketing and exhibits no evidence of damage or deterioration. No insulation is exposed. Includes conditions where the jacketing has minor damage (i.e. scuffs or stains), but the jacketing is not penetrated.
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<b>Fair</b>	Minor penetrating damage to jacketed insulation (cuts, tears, nicks, deterioration or delamination) or undamaged insulation that has never been jacketed. Insulation is exposed but not showing surface disintegration. The extent of missing insulation ranges from minor to none. Damage can be repaired.
<b>Poor</b>	Original insulation jacket is missing, damaged, deteriorated or delaminated. Insulation is exposed and significant areas have been dislodged. Damage cannot be readily repaired. Includes components where insulation may have been removed incompletely.

The evaluation of mechanical insulation may be limited by the number of observations made and building components such as ducts or full height walls that obstruct observations. It is often not possible to observe each foot of mechanical insulation from all angles.

### 2.3 Potentially Friable Materials and Miscellaneous Friable Materials

Potentially friable ACM are products that are basically non-friable while in place but have the potential to generate friable dust upon removal or if significantly disturbed without appropriate procedures. These products may become friable if damaged. Potentially friable materials include materials such as acoustic ceiling tiles and plaster. To evaluate the condition of potentially friable materials, the following criteria are applied:

<b>Good</b>	No significant damage or deterioration. Still serving its intended use as a building material or finish.
<b>Fair</b>	Showing signs of some cracking or breakage, but is not deteriorating (e.g. cracked plaster, broken but in place ceiling tile, missing tile or section of plaster etc.). The condition is such that it is still serving its intended use as a building material or finish but may require repair for mainly cosmetic purposes.
<b>Poor</b>	Significant deterioration or breaking apart of the material. Material has deteriorated to the point it is not serving its intended use as building material or finish. Material has deteriorated to a point it has become friable. Normally potentially friable ACM in Poor condition is not repairable and requires at least localized removal and replacement.

### 2.4 Non-Friable Materials

Non-friable ACM cover a wide range of products with a wide variation in their tendency to release dust or asbestos fibres to the air. Many of these materials, (particularly where the matrix is an unweathered bitumen, asphalt or tar material) do not release fibres except in very unusual circumstances or during significant disturbance (e.g. use of abrasive power tools). Others with a cementitious matrix (asbestos-cement products) can more readily release dust due to abrasion, demolition, weathering, etc. The

potential for asbestos release from non-friable ACM is always lower than from friable ACM. To evaluate the condition of non-friable Materials, the following criteria are applied:

<b>Good</b>	No significant damage or deterioration. Still serving its intended use as a building material or finish.
<b>Fair</b>	Showing signs of some cracking or breakage but is not deteriorating (e.g. cracked vinyl floor tile, missing piece of tile or transite, etc.). The condition is such that it is still serving its intended use as a building material or finish but may require repair for mainly cosmetic purposes.
<b>Poor</b>	Significant deterioration or breaking apart of the material to the point at which it cannot be repaired, and it will require at least local removal. Material has deteriorated to the point it is not serving its intended use as building material or finish. Material may have deteriorated to a point where traffic or disturbance may cause it to become friable.

## **2.5 Evaluation of ACM Debris**

The identification of the exact location or presence of debris on the top of ceiling tiles is limited by the number of observations made and the presence of building components such as ducts or full height walls that obstruct observations.

The presence of fallen or dislodged ACM is noted separately from the ACM source and is referred to as Debris. Debris may be friable if from a friable ACM source or a badly deteriorated non-friable ACM source. Debris may also be non-friable (such as fallen pieces of transite sheet or mastic fittings, or broken, dislodged floor tiles).

<b>Debris</b>	Debris may be friable or non-friable but is always identified as “debris” as the component of an observation and quantified as Poor condition.
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## **2.6 Evaluation of Presumed Asbestos-Containing Material (PACM)**

Presumed asbestos-containing materials (PACM), are building materials that may contain asbestos but were not sampled or analyzed due to inaccessibility or the need to perform destructive testing to obtain a reasonable sample set. Evaluation of these materials is based on the assumption that these PACM are asbestos-containing.

A list of PACM is provided in the report and they are generally not included in the detailed room by room reports. Typically, they are excluded because they are inaccessible or present in very small quantities. If PACM are evaluated, Pinchin uses the criteria that correspond with the type (and friability) of the material listed above.

### 3.0 EVALUATION OF ACCESSIBILITY

The accessibility of building materials known or suspected of being ACM is rated according to the following criteria:

<b>Access (A)</b>	Common areas of the building within reach of all building users (approximately 8' - 9' from floor or standard ceiling height). Includes other areas where occupant activities may result in disturbance of material that is not normally within reach from floor level, but may be disturbed by common activities (e.g. gymnasiums, workshops, warehouses.)
<b>Access (B)</b>	Areas of the building accessed primarily by Maintenance/Caretaking/Janitorial Staff and within reach without use of a ladder. Includes areas within reach in Boiler Rooms, Electrical Rooms, Janitors Closets, Elevator Rooms, Mechanical Rooms, etc. Includes materials within reach from fixed ladders or catwalks, mezzanines, and accessible pipe chases.
<b>Access (C) and Visible</b>	Areas of the building above 8' - 9' where use of a ladder or scaffold is required to reach the ACM. Only includes ACM that are visible to view without the removal or opening of other building components such as ceiling tiles or service access panels.
<b>Access (C) and not Visible / Limited Visibility</b>	Areas of the building above 8' - 9' where use of a ladder or scaffold is required to reach the ACM. Includes ACM that are not visible or partially visible to view and require the removal of a building component to see, such as ceilings tiles or access panels to view and access. Includes rarely entered crawl spaces, attic spaces, etc. Observations will be limited to the extent visible from the access points.
<b>Access (D)</b>	Areas of the building behind inaccessible solid ceiling systems, walls or equipment etc. where demolition of the ceiling, wall or equipment etc. is required to reach the ACM. Material inaccessible due to height or location or is only accessed under unusual situations. Evaluation of condition and extent of ACM is limited or impossible, depending on the surveyor's ability to visually examine materials in Access D.

### 4.0 ACTION MATRIX AND DEFINITIONS

Pinchin's evaluation of the viability of a specific asbestos control option is based on the consideration of the friability, condition, accessibility and visibility of a material. The logic used is that damaged ACM located in an area frequently accessed by all building occupants is of a higher priority than damaged ACM located in an infrequently accessed service area. The action matrix considers the potential for fibre release (primarily from friable ACM) and the possible concerns from regulatory bodies and many building occupants to all damaged ACM (including non-friable).

In any building with asbestos, many current regulations require an Asbestos Management Program be implemented. Depending on the condition and the accessibility, more active measures such as repair or removal may be recommended. The following matrix provides guidance for recommended Actions in the absence of renovation or demolition. In the event of construction or maintenance activity which will disturb ACM more aggressive control or removal will be required.

#### 4.1 Action Matrix

The following tables outline the action decisions based on the relationship of assessed factors. Table I applies to friable ACM. Table II applies to non-friable ACM.

**Table I Decision Matrix for Friable ACM**

Access	Condition			Debris
	Good	Fair	Poor	
(A)	Action 5 <sup>1</sup>	Action 5 <sup>2</sup>	Action 3	Action 1
(B)	Action 7	Action 6 <sup>3</sup>	Action 3	Action 1
(C) Visible	Action 7	Action 6	Action 3	Action 2
(C) Not Visible / Limited Visibility	Action 7	Action 7	Action 4	Action 2
(D)	Action 7	Action 7	Action 7	Action 7

**Table II Decision Matrix for Potentially Friable and Non-Friable ACM**

Access	Condition			Debris
	Good	Fair	Poor	
(A)	Action 7	Action 7 <sup>4</sup>	Action 3	Action 1
(B)	Action 7	Action 7	Action 3	Action 1
(C) Visible	Action 7	Action 7	Action 4	Action 2
(C) Not Visible / Limited Visibility	Action 7	Action 7	Action 4	Action 2
(D)	Action 7	Action 7	Action 7	Action 7

<sup>1</sup> If friable ACM in access (A)/Good condition is not proactively removed Action 7 (Manage) is recommended.

<sup>2</sup> If friable ACM in access (A)/Fair condition is not proactively removed repair is recommended.

<sup>3</sup> If friable ACM in access (B)/Fair condition is likely to be disturbed after repair proactive removal is recommended.

<sup>4</sup> Action 7 is recommended for all non-friable ACM in Fair condition however some clients may wish to repair or take some action primarily for cosmetic reasons

## 4.2 Action Definitions

The following are the definitions in the Action Matrix Table presented above:

Action Definitions	
<b>Action 1</b>	Clean-Up of ACM Debris Restrict access that is likely to cause a disturbance of the ACM Debris and clean up ACM Debris. Utilize appropriate asbestos precautions.
<b>Action 2</b>	Precautions for Access Which may Disturb ACM Debris Use appropriate means to isolate the debris or to limit entry to the area which may disturb the material. At locations where ACM Debris can remain in place in lieu of removal or clean-up (e.g. Debris on top of ceiling tiles or behind lockable door), Utilize appropriate asbestos precautions to enter the area if this will disturb debris. The precautions will be required until the ACM Debris has been cleaned up.
<b>Action 3</b>	ACM Removal Remove ACM. Utilize asbestos procedures appropriate to the scope of the removal work. Until it is removed, restrict access to the material so it is not disturbed.
<b>Action 4</b>	Precautions for Work Which may Disturb ACM in Poor Condition. Utilize appropriate asbestos precautions if ACM may be disturbed by work on or near ACM. This does not require restricting access to the area, only control of work which may contact or disturb the ACM. Removal is the only viable option if work will disturb ACM.
<b>Action 5</b>	Proactive ACM Removal Remove friable ACM where the presence of friable asbestos in Good condition is not desirable. If friable ACM in Fair condition is not removed, then Repair friable ACM.
<b>Action 6</b>	ACM Repair Repair friable ACM in Fair condition which is not likely to be damaged again or disturbed by normal use of the area or room. Pinchin recommends proactive removal if friable ACM is likely to be damaged or disturbed during normal use of the area or room.
<b>Action 7</b>	Asbestos Management Program with Routine Surveillance Implement an Asbestos Management Program, including routine surveillance of ACM. Reassess materials regularly (typically once per year).

Master Template: Methodology Annex A to Appendix I Evaluation Criteria, HAZ, April 3, 2024

**APPENDIX IV**  
**Location Summary Report**

Client:HRCE

Site: 7 Lancaster Drive, Halifax, NS

Building Name: Herring Cove Junior High

Survey Date:

Last Re-Assessment:

Building Phases: A: 1974

Location No.	Name or Description	Area ft <sup>2</sup>	Floor No.	Bldg. Phase	Notes
1	Furnace Room	630	1	A	
2	Classroom, room no. 105	659	1	A	
3	Classroom, room no. 104	756	1	A	
4	Classroom, room no. 103	660	1	A	
5	Classroom, room no. 102	658	1	A	
6	Classroom, room no. 101	625	1	A	
7	Wood Lab, room no. 122	1100	1	A	
8	Wood Lab Storage, room no. 121	231	1	A	
9	Storage	270	1	A	
10	Metal Lab	1627	1	A	
11	Science Lab, room no. 117	650	1	A	
12	Sciences Lab Storage, room no. 119	50	1	A	
13	Science Lab Storage, room no. 120	90	1	A	
14	Sewing Lab, room no. 115	106	1	A	
15	Food Lab, room no. 114	106	1	A	
16	Hallway	700	1	A	
17	Storage Room	90	1	A	
18	Resource Room	215	1	A	
19	Learning Centre, room no. 116	390	1	A	
20	Boys Washroom, room no. 132	180	1	A	
21	Cloest, room no. 131	100	1	A	
22	Girls Washroom, room no. 130	180	1	A	
23	Storage Room	15	1	A	
24	Office, room no. 110	160	1	A	
25	Audio Visual, room no. 113	1542	1	A	
26	Hallway	780	1	A	
27	Cafeteria, room no. 220	1221	2	A	
28	Office Hallway	189	2	A	
29	Office, room no. 211	145	2	A	
30	Office, room no. 212	170	2	A	
31	Washroom, room no. 214	61	2	A	
32	Storage	157	2	A	
33	Cloest	17	2	A	
34	Teachers Room, room no. 210	676	2	A	
35	Classroom, room no. 209	676	2	A	
36	Classroom, room no. 208	676	2	A	
37	Learning Center, room no. 207	676	2	A	
38	Learning Centre, room no. 206	676	2	A	
39	Gym, room no. 201	5384	2-3	A	
40	Storage Room, room no. 219	265	2	A	
41	Reception	141	2	A	
42	Janitor's Cloest, room no. 224	25	2	A	
43	Boys Washroom	132	2	A	
44	Storage, room no. 228	30	2	A	
45	Office, room no. 227	52	2	A	
46	Washroom	75	2	A	
47	Cloest, room no. 232	32	2	A	
48	Girls Washroom	130	2	A	
49	Cloest, room no. 235	32	2	A	
50	Hallway	780	2	A	
51	Storage	18	3	A	
52	Computer Lab, room no. 312	652	3	A	
53	Classroom, room no. 311	676	3	A	
54	Classroom, room no. 310	676	3	A	
55	Classroom, room no. 309	676	3	A	
56	Classroom, room no. 308	676	3	A	



Location No.	Name or Description	Area ft <sup>2</sup>	Floor No.	Bldg. Phase	Notes
57	Classroom, room no. 307	676	3	A	
58	Storage, room no. 305	160	3	A	
59	Air Handling Unit Room	180	3	A	
60	Staff Room	410	3	A	
61	Boys Washroom, room no. 328	30	3	A	
62	Girls Washroom, room no. 327	30	3	A	
63	Girls Washroom, room no. 325	180	3	A	
64	Closet, room no. 324	38	3	A	Roof access
65	Boys Washroom, room no. 323	180	3	A	
66	Cloest, room no. 321	38	3	A	
67	Sitting Area, room no. 319	158	3	A	
68	Office, room no. 318	130	3	A	
69	Office, room no. 320	90	3	A	
70	Server Room, room no. 313	65	3	A	
71	Library, room no. 316	1221	3	A	
72	Hallway	780	3	A	
73	Stairwell	678	1-3	A	
74	Stairwell	711	1-3	A	
75	Exterior	0		A	
76	Storage Room	80	1	A	
77	Storage Room	32	1	A	Unable to view above ceiling due to stored materials

**APPENDIX V**  
**Hazardous Materials Summary Report / Sample Log**

Client:HRCE

Site: 7 Lancaster Drive, Halifax, NS

Building Name: Herring Cove Junior High

Survey Date:

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0001 ABC	Wall     Drywall And Joint Compound	27	A	0	436	0	0	None Detected	No	
Asbestos	S0002 ABC	Wall   Base   Adhesive/mastic   Yellow	27	A	50	0	0	0	None Detected	No	
Asbestos	S0003 ABC	Wall   Interior   Caulking   Black	27	A	50	0	0	0	Chrysotile	Yes	NF
Asbestos	S0004 ABC	Structure     Fireproofing (fibrous)	1	A	0	630	0	0	None Detected	No	
Asbestos	S0005 ABC	Duct     Mastic, Grey	1,8,32	A	50	0	0	0	None Detected	No	
Asbestos	S0006 ABCDEFG	Wall, Ceiling, Wall     Texture Finish - Non Friable	1,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21 22,23,24,25,26,27,28,29,30,31,32,33,34,35,36 37,38,39,40,41,42,43,44,45,46,47,48,49,50,51 52,53,54,55,56,57,58,60,61,62,63,64,65,66,67 68,69,70,72,73,74	A	0	45643	0	0	None Detected	No	
Asbestos	S0007 ABC	Floor     Vinyl Floor Tile And Mastic   12" Grey With Black Parttens	2	A	0	657	0	0	Chrysotile	Yes	NF
Asbestos	S0008 ABC	Ceiling   Acoustic Tile   Ceiling Tiles (lay-in)	2,3,4,5,6,11,12,14,15,16,19,23,25,27,28,29 30,31,33,34,35,36,37,38,51,52,53,54,55,56,57 71,73,74,76,77	A	0	16606	0	0	None Detected	No	
Asbestos	S0009 ABC	Floor     Vinyl Floor Tile And Mastic   12" Beige With Light Brown Flecks	3,6,14,15,26,27,34,35,36,37,38,44,50,52,53 55,56,60,68,69	A	0	11014	0	0	Chrysotile	Yes	NF
Asbestos	S0010 ABC	Floor     Vinyl Floor Tile And Mastic   12" Light Green With Dark Flecks	4,19,25,72	A	0	3292	0	0	Chrysotile	Yes	NF
Asbestos	S0011 ABC	Piping   Debris, Drain   Parging Cement	4,6,7,8,12,14,21,24,25,32,59,76	A	0	2	48	0	Chrysotile	Yes	F
Asbestos	S0012 ABC	Floor     Vinyl Floor Tile And Mastic   12" White With Black Flecks	5,11,13,16,18,32,39,45,54,57,67,71	A	0	10380	0	0	Chrysotile	Yes	NF
Asbestos	S0013 ABC	Ceiling     Adhesive/mastic	7,10,13,18,26,50,67,68,69,72	A	0	4920	0	0	None Detected	No	
Asbestos	S0014 ABCDEFG	Ceiling, Wall, Ceiling, Wall     Drywall And Joint Compound	9,16,17,19,20,21,22,25,27,28,29,30,31,32,33 35,36,41,42,43,44,46,47,48,49,52,53,54,55,56 57,58,61,62,63,64,65,66,68,69,70,71,74	A	0	15194	0	0	Chrysotile	Yes	NF
Asbestos	S0015 ABC	Other   Sink   Mastic   White	11,34	A	0	0	4	0	None Detected	No	
Asbestos	S0016 ABC	Floor     Vinyl Floor Tile And Mastic   12" Green With White Flecks	12,17,24,32,47,49,58,64,66,70,76,77	A	0	829	0	0	Chrysotile	Yes	NF
Asbestos	S0017 ABC	Other   Sink   Mastic   Gold	14,15,60	A	0	0	6	0	Chrysotile	Yes	NF
Asbestos	S0018 ABC	Floor     Vinyl Floor Tile And Mastic   12" Black With White Streaks	18	A	0	72	0	0	Chrysotile	Yes	NF
Asbestos	S0019 ABC	Floor     Vinyl Floor Tile And Mastic   12" White With Black Streaks	18,28,32,33	A	0	332	0	0	Chrysotile	Yes	NF
Asbestos	S0020 ABC	Floor     Vinyl Floor Tile And Mastic   12" Blue With Blue And White Flecks	21	A	0	99	0	0	Chrysotile	Yes	NF
Asbestos	S0021 ABC	Floor     Vinyl Floor Tile And Mastic   12" Brown With Brown And White Streaks	23,26,41,46,51,72	A	0	376	0	0	Chrysotile	Yes	NF
Asbestos	S0022 ABC	Floor     Vinyl Floor Tile And Mastic   12" Dark Blue With Dark And White Streaks	29,30	A	0	315	0	0	Chrysotile	Yes	NF

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Asbestos	S0023 ABC	Floor     Vinyl Floor Tile And Mastic   12" Light Beige With Blue Streaks	40	A	0	264	0	0	None Detected	No	
Asbestos	S0024 ABC	Floor     Vinyl Floor Tile And Mastic   12" Dark Green With Light Flecks	42	A	0	25	0	0	None Detected	No	
Asbestos	S0025 ABC	Wall     Caulking   Light Grey	75	A	348	0	0	0	None Detected	No	
Asbestos	S0026 ABC	Wall     Caulking   Dark Grey	75	A	60	0	0	0	Chrysotile	Yes	NF
Asbestos	S0027 C	Ceiling     Ceiling Tiles (glue-on)   1x1. S0027a = Sample 1 From B327611 S0027b = Sample 3 From B327611	7,10,13,18,26,50,67,68,69,72	A	0	5750	0	0	None Detected	No	
Asbestos	V9000	Ceiling     Cement Product   2x2 Transite	76,77	A	0	88	0	0	Confirmed Asbestos	Yes	NF
Asbestos	V9500	Duct   Duct Connector   Textile	1,8,59	A	0	0	5	0	Presumed Asbestos	Yes	NF
Asbestos	V9500	Floor     Terrazzo	20,22,31,43,48,61,62,63,65,73,74	A	0	2492	0	0	Presumed Asbestos	Yes	NF
Asbestos	V9500	Other     Cement Product	73,74	A	0	45	0	0	Presumed Asbestos	Yes	NF
Asbestos	V0000	Ceiling     Ceiling Tiles (lay-in)	45	A	0	52	0	0	Non Asbestos	No	
Asbestos	V0000	Ceiling     Ceiling Tiles (lay-in)   12" X 48" Pinholes And Fissures	60	A	0	410	0	0	Non Asbestos	No	
Asbestos	V0000	Ceiling     Ceiling Tiles (lay-in)   24" X 48" Pinholes And Fissures	32	A	0	157	0	0	Non Asbestos	No	
Asbestos	V0000	Ceiling     Ceiling Tiles (lay-in)   24"x 24" Pinholes And Fissures	40	A	0	265	0	0	Non Asbestos	No	
Asbestos	V0000	Ceiling   Acoustic Tile   Ceiling Tiles (glue-on)   1x1	16	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Wall   Window Liner   Caulking   Silicone	34,35,36,37,38,52,53,54,55,56,57	A	0	0	0	0	Non Asbestos	No	
Asbestos	V0000	Wall   Fire Stop   Mastic, Red	1	A	0	0	0	0	Non Asbestos	No	
Paint	L0001	Floor   Concrete (poured)   Grey	1,7,8,9,10	A	0	4089	0	0	Lead (High)	Yes	-
Paint	L0002	Wall   Masonry   Yellow	1	A	0	1575	0	0	Lead (Low)	Yes	-
Paint	L0003	Wall   Masonry   White	2,3,4,5,6,7,8,9,10,11,12,13,15 17,18,19,20,21,22,23,24,25,27,28,29,30 31,32,33,34,37,38,39,40,43,44,45,46,47 48,49,51,52,54,55,56,57,58,60,61,62,63 64,65,66,67,68,69,70,71,72,76	A	0	54516	0	0	Lead (Low)	Yes	-
Paint	L0004	Wall   Masonry   Light Blue	14,53	A	0	1941	0	0	Lead (High)	Yes	-
Paint	L0005	Wall   Masonry   Light Green	16,26,41,42,50	A	0	3500	0	0	Lead (High)	Yes	-
Paint	L0006	Wall   Drywall And Joint Compound   Dark Blue	29	A	0	218	0	0		No	-
Paint	L0007	Wall   Drywall And Joint Compound   Grey	30,35,36,54	A	0	3931	0	0	Lead (Low)	Yes	-
Paint	L0008	Wall   Drywall And Joint Compound	36,69	A	0	766	0	0		No	-
Paint	L0009	Wall   Masonry   Baby Blue	52,71	A	0	1610	0	0		No	-

HAZMAT	Sample No	System/Component/Material/Sample Description	Locations	Bldg. Phase	LF	SF	EA	%	Type	Positive	Friability
Paint	L0010	Wall   Drywall And Joint Compound   Red	56,57	A	0	1352	0	0	Lead (High)	Yes	-
Paint	L0011	Wall   Masonry   Blue	75	A	0	1800	0	0		No	-
Lead Product	V9000	Bell And Spigot Fittings	1,24,45,64	A	0	0	19	0	Lead Product	Yes	-
Lead Product	V9500	Batteries In Emer. Lights	1	A	0	0	1	0	Presumed Lead Product	Yes	-
Lead Product	V9500	Batteries In Emer. Lights	10	A	0	0	1	0	Presumed Lead Product	Yes	-
Lead Product	V9500	Batteries In Emer. Lights	7,16,19,20,22,25,26,27,39,40,43,48,50 63,65,72,73,74	A	0	0	29	0	Presumed Lead Product	Yes	-
PCB	P0001	Caulking   Light Grey	75	A	350	0	0	0	-	Yes	-
PCB	P0002	Caulking   Dark Grey	75	A	60	0	0	0	-	No	-
PCB	V0000	Light Ballasts	76	A	0	0	0	0	-	No	-
Mould	V9000	Ceiling Tiles (glue-on)	7	A	0	20	0	0	Mould	Yes	-
Hg	V9000	Light Fixture	1	A	0	0	7	0	Hg	Yes	-
Hg	V9500	Boiler Control	1,59	A	0	0	4	0	Presumed Hg	Yes	-
Hg	V9500	Light Fixture	2,3,4,5,6,7,8,9,10,13,14,15,16 17,19,20,21,22,23,25,26,27,28,29,30,31 32,33,34,35,36,37,38,39,40,41,42,43,48 50,51,52,53,54,55,56,57,58,60,61,62,63 65,66,67,68,69,70,71,72,73,74,76	A	0	0	493	0	Presumed Hg	Yes	-
Hg	V0000	Light Fixture	44,64	A	0	0	2	0	-	No	-

## Legend:

Sample number		Units		
S####	Asbestos sample collected	SF	Square feet	NF Non Friable material.
L####	Paint sample collected	LF	Linear feet	F Friable material
P####	PCB sample collected	EA	Each	PF Potentially Friable material
M####	Mould sample collected	%	Percentage	
V####	Material visually similar to numbered sample collected			
V0000	Known non Hazardous Material			
V9000	Material is visually identified as Hazardous Material			
V9500	Material is presumed to be Hazardous Material			
[Loc. No.]	Abated Material			

**APPENDIX VI**  
**All Data Report**

ALL DATA REPORT

**Client:** HRCE  
**Location:** #1 : Furnace Room  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 630

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Duct		Mastic, Grey			C	Y		10			LF	S0005A	None Detected	N.D.	None	
Duct	Duct Connector	Textile			C	Y		1(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Duct	Exhaust	Not Insulated														
Floor		Concrete (poured)			A	Y		630			SF					
Mechanical Equipment	Air Handling Unit	Not Insulated														
Mechanical Equipment	Boiler	Fibreglass						2			EA					
Mechanical Equipment	Heating Water Tank							2			EA					
Piping	Domestic Hot Water	Not Insulated														
Piping	Domestic Water (hot And Cold)	Fibreglass		Canvas												
Piping	Heating Water Return	Fibreglass		Canvas												
Piping	Heating Water Supply	Fibreglass		Canvas												
Structure		Steel		Fireproofing (Fibrous)												
Structure		Fireproofing (Fibrous)			C	Y		630			SF	S0004ABC	None Detected	N.D.	None	
Wall		Concrete (poured)		Texture Coat				300			SF					
Wall		Masonry			A	Y		1575			SF					
Wall		Texture Finish - Non Friable			B	Y		300			SF	S0006A	None Detected	N.D.	None	
Wall <sup>1</sup>	Fire Stop	Mastic, Red										V0000	Non-Asbestos		None	

1 - silicone

**Client:** HRCE  
**Location:** #1 : Furnace Room  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 630

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Floor <sup>1</sup>	Concrete (poured)	630		SF	L0001	grey	Pb: 2700 ppm	Lead (High)
Wall <sup>2</sup>	Masonry	1575		SF	L0002	yellow	Pb: 530 ppm	Lead (Low)

1 - Grey

2 - Yellow

**Client:** HRCE  
**Location:** #1 : Furnace Room  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 630



PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed
Bell And Spigot Fittings	5	EA	V9000	Yes

Client: HRCE      Site: 7 Lancaster Drive, Halifax, NS      Building Name: Herring Cove Junior High  
 Location: #1 : Furnace Room      Floor: 1      Room #:      Area (sqft): 630  
 Survey Date: 2024-10-08      Last Re-Assessment: 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	7	EA	V9000	Yes
Boiler Control	1	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #2 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 105  
**Area (sqft):** 659  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 pinhole and hole			C	Y		659			SF	S0008A	None Detected	N.D.	None	
Duct		Not Insulated														
Floor		Vinyl Floor Tile and Mastic, 12" grey with black partens			A	Y		657(7)			SF	S0007ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Fibreglass			C	Y		23			LF					
Structure		Steel														
Wall		Masonry			A	Y		1647			SF					
Wall <sup>1</sup>	Window Liner											V0000	Non-Asbestos		None	

1 - Silicone

**Client:** HRCE  
**Location:** #2 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 105  
**Area (sqft):** 659  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall <sup>1</sup>	Masonry	1647		SF	L0003	white	Pb: 200 ppm	Lead (Low)	

1 - White

**Client:** HRCE  
**Location:** #2 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 105  
**Area (sqft):** 659  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #3 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 104  
**Area (sqft):** 756  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		756			SF	S0008B	None Detected	N.D.	None	
Duct		Not Insulated														
Floor		Vinyl Floor Tile and Mastic, 12" beige with light brown flecks			A	Y		756(7)			SF	S0009A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Fibreglass			C	Y		23			LF					
Structure		Steel														
Wall		Masonry			A	Y		1134			SF					
Wall		Drywall (no compound)			A	Y		756			SF					
Wall <sup>1</sup>	Window Liner											V0000	Non-Asbestos		None	

1 - Silicone

**Client:** HRCE  
**Location:** #3 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 104  
**Area (sqft):** 756  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall <sup>1</sup>	Masonry	1134		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	756		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

1 - White

**Client:** HRCE  
**Location:** #3 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 104  
**Area (sqft):** 756  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #4 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 103  
**Area (sqft):** 660  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		660			SF	S0008C	None Detected	N.D.	None	
Duct		Not Insulated														
Floor		Vinyl Floor Tile and Mastic, 12" light green with dark flecks			A	Y		660(7)			SF	S0010A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Fibreglass			C	Y		23			LF					
Piping		Parging Cement			C	Y		4(7)			EA	S0011A	Chrysotile	50-75%	Confirmed Asbestos	F
Structure		Steel														
Wall		Masonry			A	Y		990			SF					
Wall		Drywall (no compound)			A	Y		660			SF					
Wall <sup>1</sup>	Window Liner											V0000	Non-Asbestos		None	

1 - Silicone

**Client:** HRCE  
**Location:** #4 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 103  
**Area (sqft):** 660  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall <sup>1</sup>	Masonry	990		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	660		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

1 - White

**Client:** HRCE  
**Location:** #4 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 103  
**Area (sqft):** 660  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #5 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 102  
**Area (sqft):** 658  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		658			SF	V0008	None Detected	N.D.	None	
Duct		Not Insulated														
Floor		Vinyl Floor Tile and Mastic, 12" white with black flecks			A	Y		658(7)			SF	S0012A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Fibreglass			C	Y		23			LF					
Structure		Steel														
Wall		Masonry			A	Y		987			SF					
Wall		Drywall (no compound)			A	Y		658			SF					
Wall <sup>1</sup>	Window Liner											V0000	Non-Asbestos		None	

1 - Silicone

**Client:** HRCE  
**Location:** #5 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 102  
**Area (sqft):** 658  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall <sup>1</sup>	Masonry	987		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	658		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

1 - White

**Client:** HRCE  
**Location:** #5 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 102  
**Area (sqft):** 658  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

## ALL DATA REPORT

**Client:** HRCE  
**Location:** #6 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 101  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 625

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		625			SF	V0008	None Detected	N.D.	None	
Duct		Not Insulated														
Floor		Vinyl Floor Tile and Mastic, 12" beige with light brown flecks			A	Y		625(7)			SF	S0009B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Fibreglass			C	Y		25			LF					
Piping		Parging Cement			C	Y		3(7)	2(6)	1(3)	EA	S0011B	Chrysotile	50-75%	Confirmed Asbestos	F
Structure		Steel														
Wall		Masonry			A	Y		937			SF					
Wall		Drywall (no compound)			A	Y		625			SF					
Wall <sup>1</sup>	Window Liner											V0000	Non-Asbestos		None	

1 - Silicone

**Client:** HRCE  
**Location:** #6 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 101  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 625

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall <sup>1</sup>	Masonry	937		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	625		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

1 - White

**Client:** HRCE  
**Location:** #6 : Classroom  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 101  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 625

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #7 : Wood Lab  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 122  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1100

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1x1			C	Y		1100			SF	V0027	None Detected	N.D.	None	
Ceiling		Adhesive/mastic		Ceiling tiles (glue-on)	D	N		1098			SF	S0013ABC	None Detected	N.D.	None	
Ceiling		Drywall (no compound)		Ceiling tiles (glue-on)												
Floor		Concrete (poured)														
Piping		Parging Cement			C	Y		2(7)			EA	V0011	Chrysotile	50-75%	Confirmed Asbestos	F
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		300			SF	S0006B	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #7 : Wood Lab  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 122  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1100

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description		Amount	Hazard
Wall	Masonry	2750		SF	V0003	White		Pb: 200 ppm	Lead (Low)
Floor	Concrete (poured)	1100		SF	V0001	Grey		Pb: 2700 ppm	Lead (High)

**Client:** HRCE  
**Location:** #7 : Wood Lab  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 122  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1100

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #7 : Wood Lab  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 122  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1100

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	16	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #7 : Wood Lab  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 122  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1100

MOULD								
System	Material	Visible	Quantity	Unit	Sample Type	Sample No	Sample Description	Mould
Ceiling	Ceiling Tiles (glue-on)	Y	20	SF	V	9000		Yes





# ALL DATA REPORT

**Client:** HRCE  
**Location:** #8 : Wood Lab Storage  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 121  
**Area (sqft):** 231  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Concrete (poured)														
Duct		Mastic, Grey			C	Y		30			LF	S0005B	None Detected	N.D.	None	
Duct	Duct Connector	Textile			C	Y		1(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Concrete (poured)														
Mechanical Equipment	Air Handling Unit	Not Insulated														
Piping		Parging Cement			C	Y		2(7)			EA	S0011C	Chrysotile	50-75%	Confirmed Asbestos	F
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		577			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #8 : Wood Lab Storage  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 121  
**Area (sqft):** 231  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	577		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Floor	Concrete (poured)	231		SF	V0001	Grey	Pb: 2700 ppm	Lead (High)	
Ceiling	Concrete (poured)	231		SF	V0001	Grey	Pb: 2700 ppm	Lead (High)	

**Client:** HRCE  
**Location:** #8 : Wood Lab Storage  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 121  
**Area (sqft):** 231  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #9 : Storage  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Area (sqft):** 270  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		270(7)			SF	S0014A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Concrete (poured)														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		675			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #9 : Storage  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Area (sqft):** 270  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	675		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Floor	Concrete (poured)	270		SF	V0001	Grey	Pb: 2700 ppm	Lead (High)	

**Client:** HRCE  
**Location:** #9 : Storage  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Area (sqft):** 270  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #10 : Metal Lab  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1627

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1x1			C	Y		1627			SF	V0027	None Detected	N.D.	None	
Ceiling		Adhesive/mastic		Ceiling tiles (glue-on)	D	N		1627			SF	V0013	None Detected	N.D.	None	
Ceiling		Drywall (no compound)		Ceiling tiles (glue-on)												
Floor		Concrete (poured)														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		4067			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #10 : Metal Lab  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1627

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	4067		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Floor	Concrete (poured)	1627		SF	V0001	Grey	Pb: 2700 ppm	Lead (High)	

**Client:** HRCE  
**Location:** #10 : Metal Lab  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1627

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #10 : Metal Lab  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1627

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #11 : Science Lab  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 117  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 650

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		650			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" white with black flecks			A	Y		650(7)			SF	S0012B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Other		Mastic, White			A	Y		1			EA	S0015C	None Detected	N.D.	None	
Other	Sink	Mastic, White			A	Y		1			EA	S0015A	None Detected	N.D.	None	
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1300			SF	V0006	None Detected	N.D.	None	
Wall <sup>1</sup>	Window Liner											V0000	Non-Asbestos		None	

1 - Silicone

**Client:** HRCE  
**Location:** #11 : Science Lab  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 117  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 650

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1300		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #12 : Sciences Lab Storage  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 119  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 50

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		119			SF	V0008	None Detected	N.D.	None	
Duct		Not Insulated														
Floor		Vinyl Floor Tile and Mastic, 12" green with white flecks			A	Y		50(7)			SF	S0016A	Chrysotile	5-10%	Confirmed Asbestos	NF
Piping		Parging Cement			C	Y			1(6)	2(3)	EA	V0011	Chrysotile	50-75%	Confirmed Asbestos	F
Structure		Concrete (poured)														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		125			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #12 : Sciences Lab Storage  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 119  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 50

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	125		SF	V0003	White	Pb: 200 ppm	Lead (Low)

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #13 : Science Lab Storage  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 120  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 90

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1x1			C	Y		90			SF	V0027	None Detected	N.D.	None	
Ceiling		Adhesive/mastic		Ceiling tiles (glue-on)	D	N		90			SF	V0013	None Detected	N.D.	None	
Ceiling		Drywall (no compound)		Ceiling tiles (glue-on)												
Floor		Vinyl Floor Tile and Mastic, 12" white with black flecks			A	Y		80(7)			SF	S0012C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		225			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #13 : Science Lab Storage  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 120  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 90

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	225		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #13 : Science Lab Storage  
**Survey Date:** 2024-10-08

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 120  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 90

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

## ALL DATA REPORT

**Client:** HRCE  
**Location:** #14 : Sewing Lab  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 115  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 106

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		106			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" beige with light brown flecks			A	Y		106(7)			SF	S0009C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Other		Mastic, Gold			A	Y		1(7)			EA	V0017	Chrysotile	5-10%	Confirmed Asbestos	NF
Other	Sink	Mastic, Gold			A	Y		1(7)			EA	S0017A	Chrysotile	5-10%	Confirmed Asbestos	NF
Piping		Parging Cement			C	Y				1(3)	EA	V0011	Chrysotile	50-75%	Confirmed Asbestos	F
Piping	Debris	Parging Cement			C	N				1(2)	SF	V0011	Chrysotile	50-75%	Confirmed Asbestos	F
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		265			SF	V0006	None Detected	N.D.	None	
Wall <sup>1</sup>	Window Liner											V0000	Non-Asbestos		None	

1 - Silicone

**Client:** HRCE  
**Location:** #14 : Sewing Lab  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 115  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 106

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	265		SF	L0004	light blue	Pb: 13000 ppm	Lead (High)	

**Client:** HRCE  
**Location:** #14 : Sewing Lab  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 115  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 106

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	16	EA	V9500	Presumed

## ALL DATA REPORT

**Client:** HRCE  
**Location:** #15 : Food Lab  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 114  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 106

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		106			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" beige with light brown flevks			A	Y		106(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Other	Sink	Mastic, Gold			A	Y		3(7)			EA	S0017BC	Chrysotile	5-10%	Confirmed Asbestos	NF
Piping		Fibreglass														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		265			SF	V0006	None Detected	N.D.	None	
Wall <sup>1</sup>	Window Liner											V0000	Non-Asbestos		None	

1 - Silicone

**Client:** HRCE  
**Location:** #15 : Food Lab  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 114  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 106

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	265		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #15 : Food Lab  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 114  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 106

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	16	EA	V9500	Presumed



# ALL DATA REPORT

**Client:** HRCE  
**Location:** #16 : Hallway  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 700

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		600			SF	V0008	None Detected	N.D.	None	
Ceiling <sup>1</sup>	Acoustic Tile	Ceiling tiles (glue-on), 1x1										V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic			A	Y		700(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Fibreglass														
Wall		Drywall and joint compound			A	Y		700(7)			SF	S0014B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1200			SF	S0006C	None Detected	N.D.	None	

1 - b327611

**Client:** HRCE  
**Location:** #16 : Hallway  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 700

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description		Amount	Hazard
Wall	Masonry	1200		SF	L0005	Light green		Pb: 1100 ppm	Lead (High)

**Client:** HRCE  
**Location:** #16 : Hallway  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 700

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #16 : Hallway  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 700

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #17 : Storage Room  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 90

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			A	Y		90(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12" green with white flecks			A	Y		90(7)			SF	S0016B	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		225			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #17 : Storage Room  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 90

PAINT											
System	Item	Good	Poor	Unit	Sample	Sample Description				Amount	Hazard
Wall	Masonry	225		SF	V0003	White				Pb: 200 ppm	Lead (Low)

**Client:** HRCE  
**Location:** #17 : Storage Room  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 90

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #18 : Resource Room  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 215

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1x1			C	Y		215			SF	V0027	None Detected	N.D.	None	
Ceiling		Adhesive/mastic		Ceiling tiles (glue-on)	D	N		215			SF	V0013	None Detected	N.D.	None	
Ceiling		Drywall (no compound)		Ceiling tiles (glue-on)												
Floor		Vinyl Floor Tile and Mastic, 12" black with white streaks			A	Y		72(7)			SF	S0018ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12" white with black streaks			A	Y		73(7)			SF	S0019A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		73(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		538			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #18 : Resource Room  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 215

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	538		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #19 : Learning Centre  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 116  
**Area (sqft):** 390  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		390			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" light green with dark flecks			A	Y		390(7)			SF	S0010B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Fibreglass														
Wall		Drywall and joint compound			A	Y		400(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		780			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #19 : Learning Centre  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 116  
**Area (sqft):** 390  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	780		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	440		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #19 : Learning Centre  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 116  
**Area (sqft):** 390  
**Last Re-Assessment:** 0000-00-00

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #19 : Learning Centre  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 116  
**Area (sqft):** 390  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	6	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #20 : Boys Washroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 132  
**Area (sqft):** 180  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		180(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Terrazzo			A	Y		180(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		450			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #20 : Boys Washroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 132  
**Area (sqft):** 180  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	450		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #20 : Boys Washroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 132  
**Area (sqft):** 180  
**Last Re-Assessment:** 0000-00-00

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #20 : Boys Washroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 132  
**Area (sqft):** 180  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #21 : Cloest  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 131  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 100

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		100(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12" blue with blue and white flecks			A	Y		99(7)			SF	S0020ABC	Chrysotile	5-10%	Confirmed Asbestos	NF
Piping	Drain	Parging Cement			C	Y				1(3)	EA	V0011	Chrysotile	50-75%	Confirmed Asbestos	F
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		250			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #21 : Cloest  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 131  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 100

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	250		SF	V0003	White	Pb: 200 ppm	Lead (Low)

**Client:** HRCE  
**Location:** #21 : Cloest  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 131  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 100

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #22 : Girls Washroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 130  
**Area (sqft):** 180  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		180(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Terrazzo			A	Y		180(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		450			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #22 : Girls Washroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 130  
**Area (sqft):** 180  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	450		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #22 : Girls Washroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 130  
**Area (sqft):** 180  
**Last Re-Assessment:** 0000-00-00

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #22 : Girls Washroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 130  
**Area (sqft):** 180  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #23 : Storage Room  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 15

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		15			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" brown with brown and white streaks			A	Y		15(7)				S0021A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Fibreglass		Canvas												
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		38			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #23 : Storage Room  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 15

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	38		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #23 : Storage Room  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 15

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed



## ALL DATA REPORT

**Client:** HRCE  
**Location:** #24 : Office  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 110  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 160

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Concrete (poured)														
Floor		Vinyl Floor Tile and Mastic, 12" green with white flecks			A	Y		160(7)			SF	S0016C	Chrysotile	5-10%	Confirmed Asbestos	NF
Piping		Parging Cement			A	Y		6(5)			EA	V0011	Chrysotile	50-75%	Confirmed Asbestos	F
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		400			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #24 : Office  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 110  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 160

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	400		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Ceiling	Concrete (poured)	160		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #24 : Office  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 110  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 160

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Bell And Spigot Fittings	3	EA	V9000	Yes

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #25 : Audio Visual  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 113  
**Area (sqft):** 1542  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		1542			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" light green with dark flecks			A	Y		1542(7)			SF	S0010C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Parging Cement			C	Y		9(7)			EA	V0011	Chrysotile	50-75%	Confirmed Asbestos	F
Wall		Drywall and joint compound			A	Y		2300(7)			SF	S0014C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1000			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #25 : Audio Visual  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 113  
**Area (sqft):** 1542  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Drywall and joint compound	2300		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Masonry	1000		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #25 : Audio Visual  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 113  
**Area (sqft):** 1542  
**Last Re-Assessment:** 0000-00-00

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights <sup>1</sup>			V9500	Presumed

1 - 1

**Client:** HRCE  
**Location:** #25 : Audio Visual  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:** 113  
**Area (sqft):** 1542  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	20	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #26 : Hallway  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1x1			C	Y		780			SF	V0027	None Detected	N.D.	None	
Ceiling		Adhesive/mastic		Ceiling tiles (glue-on)	D	N		366			SF	V0013	None Detected	N.D.	None	
Ceiling		Drywall (no compound)		Ceiling tiles (glue-on)												
Floor		Vinyl Floor Tile and Mastic			A	Y		700(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		80(7)			SF	V0021	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		780			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #26 : Hallway  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	780		SF	V0005	Light green	Pb: 1100 ppm	Lead (High)	

**Client:** HRCE  
**Location:** #26 : Hallway  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #26 : Hallway  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	13	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #27 : Cafeteria  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 220  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 1221

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		1221			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		1221(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		436			SF	S0001ABC	None Detected	N.D.	None	
Wall		Drywall and joint compound			A	Y		1221(7)			SF	S0014D	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1221			SF	V0006	None Detected	N.D.	None	
Wall	Base	Drywall and joint compound														
Wall	Base	Adhesive/mastic, Yellow		Wood				50			LF	S0002ABC	None Detected	N.D.	None	
Wall <sup>1</sup>	Interior	Caulking, Black			A	Y		50(7)			LF	S0003ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF

1 - On wood seams

**Client:** HRCE  
**Location:** #27 : Cafeteria  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 220  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 1221

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	1221		SF	V0003	White	Pb: 200 ppm	Lead (Low)

**Client:** HRCE  
**Location:** #27 : Cafeteria  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 220  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 1221

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #27 : Cafeteria  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 220  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 1221

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #28 : Office Hallway  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 189

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		189			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" white with black streaks			A	Y		190(7)			SF	S0019BC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		283(7)			SF	S0014E	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		189			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #28 : Office Hallway  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 189

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	189		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	283		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #28 : Office Hallway  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 189

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #29 : Office  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 211  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 145

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		145			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" dark blue with dark and white streaks			A	Y		145(7)			SF	S0022A	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		218(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		218			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #29 : Office  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 211  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 145

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	218		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	218		SF	L0006	Dark blue	Pb: <80 ppm	No	

**Client:** HRCE  
**Location:** #29 : Office  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 211  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 145

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #30 : Office  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 212  
**Area (sqft):** 170  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		170			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" dark blue with dark and white streaks			A	Y		170(7)			SF	S0022BC	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		255(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		255			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #30 : Office  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 212  
**Area (sqft):** 170  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	255		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	255		SF	L0007	Grey	Pb: 940 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #30 : Office  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 212  
**Area (sqft):** 170  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #31 : Washroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 214  
**Area (sqft):** 61  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		61			SF	V0008	None Detected	N.D.	None	
Floor		Terrazzo			A	Y		61(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		122(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		61			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #31 : Washroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 214  
**Area (sqft):** 61  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	61		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	255		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #31 : Washroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 214  
**Area (sqft):** 61  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed



# ALL DATA REPORT

**Client:** HRCE  
**Location:** #32 : Storage  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 157

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling <sup>1</sup>		Ceiling Tiles (lay-in), 24" x 48" pinholes and fissures			C	Y		157			SF	V0000	Non-Asbestos		None	
Duct		Mastic, Grey			C	Y		10			LF	S0005C	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		52(7)			SF	V0019	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		52(7)			SF	V0016	Chrysotile	5-10%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		52(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Parging Cement			C	Y		4(7)			EA	V0011	Chrysotile	50-75%	Confirmed Asbestos	F
Wall		Drywall and joint compound			A	Y		235(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		157			SF	V0006	None Detected	N.D.	None	

1 - Date code observed

**Client:** HRCE  
**Location:** #32 : Storage  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 157

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	157		SF	V0003	White	Pb: 200 ppm	Lead (Low)
Wall	Drywall and joint compound	235		SF	V0003	White	Pb: 200 ppm	Lead (Low)

**Client:** HRCE  
**Location:** #32 : Storage  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 157

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #33 : Cloest  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 17

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		17			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" white with black streaks			A	Y		17(7)			SF	V0019	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		17(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		26			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #33 : Cloest  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 17

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	26		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	26		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #33 : Cloest  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 17

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #34 : Teachers Room  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 210  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 676

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		676			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		676(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Other	Sink	Mastic, White						2			EA	S0015B	None Detected	N.D.	None	
Piping		Not Insulated														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1690			SF	V0006	None Detected	N.D.	None	
Wall	Window Liner	Caulking, Silicone										V0000	Non-Asbestos		None	

**Client:** HRCE  
**Location:** #34 : Teachers Room  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 210  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 676

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	1690		SF	V0003	White	Pb: 200 ppm	Lead (Low)

**Client:** HRCE  
**Location:** #34 : Teachers Room  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 210  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 676

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #35 : Classroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 209  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		676			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		676(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		676(7)			SF	S0014F	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1000			SF	V0006	None Detected	N.D.	None	
Wall	Window Liner	Caulking, Silicone										V0000	Non-Asbestos		None	

**Client:** HRCE  
**Location:** #35 : Classroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 209  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1000		SF	V0007	Grey	Pb: 940 ppm	Lead (Low)	
Wall	Drywall and joint compound	676		SF	V0007	Grey	Pb: 940 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #35 : Classroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 209  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

## ALL DATA REPORT

**Client:** HRCE  
**Location:** #36 : Classroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 208  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 676

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		676			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		676(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		676(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1000			SF	V0006	None Detected	N.D.	None	
Wall	Window Liner	Caulking, Silicone										V0000	Non-Asbestos		None	

**Client:** HRCE  
**Location:** #36 : Classroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 208  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 676

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1000		SF	V0007	Grey	Pb: 940 ppm	Lead (Low)	
Wall	Drywall and joint compound	676		SF	L0008	Grey	Pb: <81 ppm	No	

**Client:** HRCE  
**Location:** #36 : Classroom  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 208  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 676

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #37 : Learning Center  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 207  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 676

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		676			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		676(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1690			SF	V0006	None Detected	N.D.	None	
Wall	Window Liner	Caulking, Silicone										V0000	Non-Asbestos		None	

**Client:** HRCE  
**Location:** #37 : Learning Center  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 207  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 676

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1690		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #37 : Learning Center  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 207  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 676

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

## ALL DATA REPORT

**Client:** HRCE  
**Location:** #38 : Learning Centre  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 206  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 676

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		676			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		676(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1690			SF	S0006G	None Detected	N.D.	None	
Wall	Window Liner	Caulking, Silicone										V0000	Non-Asbestos		None	

**Client:** HRCE  
**Location:** #38 : Learning Centre  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 206  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 676

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1690		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #38 : Learning Centre  
**Survey Date:** 2024-10-09

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 206  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 676

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #39 : Gym  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2-3

**Building Name:** Herring Cove Junior High  
**Room #:** 201  
**Area (sqft):** 5384  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Duct		Not Insulated														
Floor		Vinyl Floor Tile and Mastic			A	Y		5384(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Structure		Steel														
Wall		Masonry														
Wall		Tectum						6000								
Wall		Texture Finish - Non Friable			A	Y		6000			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #39 : Gym  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2-3

**Building Name:** Herring Cove Junior High  
**Room #:** 201  
**Area (sqft):** 5384  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	6000		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #39 : Gym  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2-3

**Building Name:** Herring Cove Junior High  
**Room #:** 201  
**Area (sqft):** 5384  
**Last Re-Assessment:** 0000-00-00

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	4	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #39 : Gym  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2-3

**Building Name:** Herring Cove Junior High  
**Room #:** 201  
**Area (sqft):** 5384  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	70	EA	V9500	Presumed



# ALL DATA REPORT

**Client:** HRCE  
**Location:** #40 : Storage Room  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 219  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 265

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling <sup>1</sup>		Ceiling Tiles (lay-in), 24"x 24" pinholes and fissures			C	Y		265			SF	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic, 12" light beige with blue streaks			A	Y		264			SF	S0023ABC	None Detected	N.D.	None	
Piping		Not Insulated														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		652			SF	V0006	None Detected	N.D.	None	

1 - Date code observed

**Client:** HRCE  
**Location:** #40 : Storage Room  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 219  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 265

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	652		SF	V0003	White	Pb: 200 ppm	Lead (Low)

**Client:** HRCE  
**Location:** #40 : Storage Room  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 219  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 265

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	4	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #40 : Storage Room  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 219  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 265

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	6	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #41 : Reception  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 141

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		141(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12" brown with brown and white flecks			A	Y		141(7)			SF	S0021B	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		652			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #41 : Reception  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 141

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	652		SF	V0005	Light green	Pb: 1100 ppm	Lead (High)	

**Client:** HRCE  
**Location:** #41 : Reception  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 141

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #42 : Janitor's Cloest  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 224  
**Area (sqft):** 25  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		25(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic, 12" dark green with light flecks			A	Y		25			SF	S0024ABC	None Detected	N.D.	None	
Piping		Not Insulated														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		63			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #42 : Janitor's Cloest  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 224  
**Area (sqft):** 25  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	63		SF	V0005	Light green	Pb: 1100 ppm	Lead (High)	
Ceiling	Drywall and joint compound	25		SF	V0005	Light green	Pb: 1100 ppm	Lead (High)	

**Client:** HRCE  
**Location:** #42 : Janitor's Cloest  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 224  
**Area (sqft):** 25  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #43 : Boys Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 132

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		132(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Terrazzo			A	Y		132(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Piping		Not Insulated														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		450			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #43 : Boys Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 132

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	450		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Ceiling	Drywall and joint compound	132		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #43 : Boys Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 132

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #43 : Boys Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 132

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #44 : Storage  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 228  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 30

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		30(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		30(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping	Unidentified Pipe	Fibreglass			A	Y		15			LF					
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		75			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #44 : Storage  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 228  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 30

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description		Amount	Hazard
Wall	Masonry	75		SF	V0003	White		Pb: 200 ppm	Lead (Low)
Ceiling	Drywall and joint compound	30		SF	V0003	White		Pb: 200 ppm	Lead (Low)

**Client:** HRCE  
**Location:** #44 : Storage  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 228  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 30

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture <sup>1</sup>	1	EA	V0000	

1 - LED

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #45 : Office  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 227  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 52

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling <sup>1</sup>		Ceiling Tiles (lay-in)			C	Y		52			SF	V0000	Non-Asbestos		None	
Floor		Vinyl Floor Tile and Mastic			A	Y		52(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Fibreglass														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		130			SF	V0006	None Detected	N.D.	None	

1 - Date code observed

**Client:** HRCE  
**Location:** #45 : Office  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 227  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 52

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description		Amount	Hazard
Wall	Masonry	130		SF	V0003	White		Pb: 200 ppm	Lead (Low)

**Client:** HRCE  
**Location:** #45 : Office  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:** 227  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 52

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Bell And Spigot Fittings	6	EA	V9000	Yes

Client: HRCE

Location: #46 : Washroom

Survey Date: 2024-10-10

Site: 7 Lancaster Drive, Halifax, NS

Floor: 2

Building Name: Herring Cove Junior High

Room #:

Last Re-Assessment: 0000-00-00

Area (sqft): 75

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		75(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		75(7)			SF	S0021C	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		188			SF	V0006	None Detected	N.D.	None	

Client: HRCE

Location: #46 : Washroom

Survey Date: 2024-10-10

Site: 7 Lancaster Drive, Halifax, NS

Floor: 2

Building Name: Herring Cove Junior High

Room #:

Last Re-Assessment: 0000-00-00

Area (sqft): 75

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	188		SF	V0003	White	Pb: 200 ppm	Lead (Low)
Ceiling	Drywall and joint compound	75		SF	V0003	White	Pb: 200 ppm	Lead (Low)

Client: HRCE

Location: #47 : Cloest

Survey Date: 2024-10-10

Site: 7 Lancaster Drive, Halifax, NS

Floor: 2

Building Name: Herring Cove Junior High

Room #: 232

Last Re-Assessment: 0000-00-00

Area (sqft): 32

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		32(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		32(7)			SF	V0016	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		80			SF	V0006	None Detected	N.D.	None	

Client: HRCE

Location: #47 : Cloest

Survey Date: 2024-10-10

Site: 7 Lancaster Drive, Halifax, NS

Floor: 2

Building Name: Herring Cove Junior High

Room #: 232

Last Re-Assessment: 0000-00-00

Area (sqft): 32

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	80		SF	V0003	White	Pb: 200 ppm	Lead (Low)
Ceiling	Drywall and joint compound	32		SF	V0003	White	Pb: 200 ppm	Lead (Low)



# ALL DATA REPORT

**Client:** HRCE  
**Location:** #48 : Girls Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 130

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		130(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Terrazzo			A	Y		130(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		450			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #48 : Girls Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 130

PAINT											
System	Item	Good	Poor	Unit	Sample	Sample Description			Amount	Hazard	
Wall	Masonry	450		SF	V0003	White			Pb: 200 ppm	Lead (Low)	
Ceiling	Drywall and joint compound	130		SF	V0003	White			Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #48 : Girls Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 130

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #48 : Girls Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 130

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	4	EA	V9500	Presumed

Client: HRCE

Location: #49 : Cloest

Survey Date: 2024-10-10

Site: 7 Lancaster Drive, Halifax, NS

Floor: 2

Building Name: Herring Cove Junior High

Room #: 235

Last Re-Assessment: 0000-00-00

Area (sqft): 32

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		32(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		32(7)			SF	V0016	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		80			SF	V0006	None Detected	N.D.	None	

Client: HRCE

Location: #49 : Cloest

Survey Date: 2024-10-10

Site: 7 Lancaster Drive, Halifax, NS

Floor: 2

Building Name: Herring Cove Junior High

Room #: 235

Last Re-Assessment: 0000-00-00

Area (sqft): 32

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	80		SF	V0003	White	Pb: 200 ppm	Lead (Low)
Ceiling	Drywall and joint compound	32		SF	V0003	White	Pb: 200 ppm	Lead (Low)

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #50 : Hallway  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1x1			C	Y		780			SF	V0027	None Detected	N.D.	None	
Ceiling		Adhesive/mastic		Ceiling tiles (glue-on)	D	N		366			SF	V0013	None Detected	N.D.	None	
Ceiling		Drywall (no compound)		Ceiling tiles (glue-on)												
Ceiling		Drywall (no compound)		Ceiling tiles (glue-on)												
Floor		Vinyl Floor Tile and Mastic			A	Y		780(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		780			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #50 : Hallway  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	780		SF	V0005	Light green	Pb: 1100 ppm	Lead (High)	

**Client:** HRCE  
**Location:** #50 : Hallway  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	4	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #50 : Hallway  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 2

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #51 : Storage  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 18

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		18			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic, 12" brown with brown and white streaks			A	Y		15(7)				V0021	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		38			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #51 : Storage  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 18

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	38		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #51 : Storage  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 18

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #52 : Computer Lab  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 312  
**Area (sqft):** 652  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		652			SF	V0008	None Detected	N.D.	None	
Duct		Not Insulated														
Floor		Vinyl Floor Tile and Mastic			A	Y		652(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		652(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1000			SF	V0006	None Detected	N.D.	None	
Wall	Window Liner	Caulking, Silicone										V0000	Non-Asbestos		None	

**Client:** HRCE  
**Location:** #52 : Computer Lab  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 312  
**Area (sqft):** 652  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1000		SF	L0009	Baby blue	Pb: <80 ppm	No	
Wall	Drywall and joint compound	652		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #52 : Computer Lab  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 312  
**Area (sqft):** 652  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9500	Presumed

## ALL DATA REPORT

**Client:** HRCE  
**Location:** #53 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 311  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 676

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		676			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		676(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		676(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1000			SF	V0006	None Detected	N.D.	None	
Wall	Window Liner	Caulking, Silicone										V0000	Non-Asbestos		None	

**Client:** HRCE  
**Location:** #53 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 311  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 676

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1000		SF	V0004	Light blue	Pb: 13000 ppm	Lead (High)	
Wall	Drywall and joint compound	676		SF	V0004	Light blue	Pb: 13000 ppm	Lead (High)	

**Client:** HRCE  
**Location:** #53 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 311  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 676

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #54 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 310  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		676			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		676(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		676(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1000			SF	V0006	None Detected	N.D.	None	
Wall	Window Liner	Caulking, Silicone										V0000	Non-Asbestos		None	

**Client:** HRCE  
**Location:** #54 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 310  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1000		SF	V0007	Grey	Pb: 940 ppm	Lead (Low)	
Wall	Drywall and joint compound	676		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #54 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 310  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #55 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 309  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		676			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		676(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		676(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1000			SF	V0006	None Detected	N.D.	None	
Wall	Window Liner	Caulking, Silicone										V0000	Non-Asbestos		None	

**Client:** HRCE  
**Location:** #55 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 309  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1000		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	676		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #55 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 309  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9500	Presumed



## ALL DATA REPORT

**Client:** HRCE  
**Location:** #56 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 308  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		676			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		676(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		676(7)			SF	S0014G	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1000			SF	V0006	None Detected	N.D.	None	
Wall	Window Liner	Caulking, Silicone										V0000	Non-Asbestos		None	

**Client:** HRCE  
**Location:** #56 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 308  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1000		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	676		SF	L0010	Red	Pb: 24000 ppm	Lead (High)	

**Client:** HRCE  
**Location:** #56 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 308  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #57 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 307  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		676			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		676(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		676(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1000			SF	V0006	None Detected	N.D.	None	
Wall	Window Liner	Caulking, Silicone										V0000	Non-Asbestos		None	

**Client:** HRCE  
**Location:** #57 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 307  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1000		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	676		SF	V0010	Red	Pb: 24000 ppm	Lead (High)	

**Client:** HRCE  
**Location:** #57 : Classroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 307  
**Area (sqft):** 676  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	12	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #58 : Storage  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 305  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 160

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		160(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		160(7)			SF	V0016	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Drywall and joint compound			A	Y		160(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		240			SF	S0006D	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #58 : Storage  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 305  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 160

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	240		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	160		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Ceiling	Drywall and joint compound	160		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #58 : Storage  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 305  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 160

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

Client: HRCE

Location: #59 : Air Handling Unit Room

Survey Date: 2024-10-10

Site: 7 Lancaster Drive, Halifax, NS

Floor: 3

Building Name: Herring Cove Junior High

Room #:

Last Re-Assessment: 0000-00-00

Area (sqft): 180

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		None Found														
Duct		Not Insulated														
Duct	Duct Connector	Textile			C	Y		3(7)			EA	V9500	Presumed Asbestos		Presumed Asbestos	NF
Floor		Concrete (poured)														
Piping		Parging Cement			A	Y		3(5)			EA	V0011	Chrysotile	50-75%	Confirmed Asbestos	F
Structure		Steel														
Wall		Tectum														

Client: HRCE

Location: #59 : Air Handling Unit Room

Survey Date: 2024-10-10

Site: 7 Lancaster Drive, Halifax, NS

Floor: 3

Building Name: Herring Cove Junior High

Room #:

Last Re-Assessment: 0000-00-00

Area (sqft): 180

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Boiler Control	3	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #60 : Staff Room  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 410

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling <sup>1</sup>		Ceiling Tiles (lay-in), 12" x 48" pinholes and fissures			C	Y		410			SF	V0000	Non-Asbestos		None	
Duct		Fibreglass														
Floor		Vinyl Floor Tile and Mastic			A	Y		410(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Other	Sink	Mastic, Gold			A	Y		1(7)			EA	V0017	Chrysotile	5-10%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1000			SF	V0006	None Detected	N.D.	None	

1 - Date code observed

**Client:** HRCE  
**Location:** #60 : Staff Room  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 410

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1000		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #60 : Staff Room  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 410

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	6	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #61 : Boys Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 328  
**Area (sqft):** 30  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		30(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Terrazzo			A	Y		30(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		75			SF	S0006E	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #61 : Boys Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 328  
**Area (sqft):** 30  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	75		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Ceiling	Drywall and joint compound	30		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #61 : Boys Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 328  
**Area (sqft):** 30  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #62 : Girls Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 327  
**Area (sqft):** 30  
**Last Re-Assessment:** 0000-00-00

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		30(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Terrazzo			A	Y		30(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		75			SF	S0006F	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #62 : Girls Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 327  
**Area (sqft):** 30  
**Last Re-Assessment:** 0000-00-00

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	75		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Ceiling	Drywall and joint compound	30		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #62 : Girls Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 327  
**Area (sqft):** 30  
**Last Re-Assessment:** 0000-00-00

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #63 : Girls Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 325  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 180

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		180(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Terrazzo			A	Y		180(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		450			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #63 : Girls Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 325  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 180

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	450		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Ceiling	Drywall and joint compound	180		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #63 : Girls Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 325  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 180

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #63 : Girls Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 325  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 180

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9500	Presumed



# ALL DATA REPORT

**Client:** HRCE  
**Location:** #64 : Closet  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 324  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 38

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		38(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		38(7)			SF	V0016	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		80			SF	V0006	None Detected	N.D.	None	

Roof access

**Client:** HRCE  
**Location:** #64 : Closet  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 324  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 38

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	80		SF	V0003	White	Pb: 200 ppm	Lead (Low)
Ceiling	Drywall and joint compound	38		SF	V0003	White	Pb: 200 ppm	Lead (Low)

Roof access

**Client:** HRCE  
**Location:** #64 : Closet  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 324  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 38

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Bell And Spigot Fittings	5	EA	V9000	Yes

Roof access

**Client:** HRCE  
**Location:** #64 : Closet  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 324  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 38

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture <sup>1</sup>	1	EA	V0000	

Roof access

1 - LED

## ALL DATA REPORT

**Client:** HRCE  
**Location:** #65 : Boys Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 323  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 180

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		180(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Terrazzo			A	Y		180(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		450			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #65 : Boys Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 323  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 180

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	450		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Ceiling	Drywall and joint compound	180		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #65 : Boys Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 323  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 180

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #65 : Boys Washroom  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 323  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 180

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	3	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #66 : Cloest  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 321  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 38

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		38(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		38(7)			SF	V0016	Chrysotile	5-10%	Confirmed Asbestos	NF
Piping		Fibreglass														
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		80			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #66 : Cloest  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 321  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 38

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	80		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Ceiling	Drywall and joint compound	38		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #66 : Cloest  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 321  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 38

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #67 : Sitting Area  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 319  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 158

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1x1			C	Y		158			SF	V0027	None Detected	N.D.	None	
Ceiling		Adhesive/mastic		Ceiling tiles (glue-on)	D	N		158			SF	V0013	None Detected	N.D.	None	
Ceiling		Drywall (no compound)		Ceiling tiles (glue-on)												
Floor		Vinyl Floor Tile and Mastic			A	Y		158(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		780			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #67 : Sitting Area  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 319  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 158

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	780		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #67 : Sitting Area  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 319  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 158

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #68 : Office  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 318  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 130

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1x1			C	Y		130			SF	V0027	None Detected	N.D.	None	
Ceiling		Adhesive/mastic		Ceiling tiles (glue-on)	D	N		130			SF	V0013	None Detected	N.D.	None	
Ceiling		Drywall (no compound)		Ceiling tiles (glue-on)												
Floor		Vinyl Floor Tile and Mastic			A	Y		130(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Drywall and joint compound			A	Y		130(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		195			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #68 : Office  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 318  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 130

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	195		SF	V0003	White	Pb: 200 ppm	Lead (Low)
Wall	Drywall and joint compound	130		SF	V0003	White	Pb: 200 ppm	Lead (Low)

**Client:** HRCE  
**Location:** #68 : Office  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 318  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 130

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	2	EA	V9500	Presumed

## ALL DATA REPORT

**Client:** HRCE  
**Location:** #69 : Office  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 320  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 90

ASBESTOS															
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard
Ceiling		Ceiling tiles (glue-on), 1x1			C	Y		90			SF	V0027	None Detected	N.D.	None
Ceiling		Adhesive/mastic			D	N		90			SF	V0013	None Detected	N.D.	None
Ceiling		Drywall (no compound)		Ceiling tiles (glue-on)											
Floor		Vinyl Floor Tile and Mastic			A	Y		90(7)			SF	V0009	Chrysotile	0.5-5%	Confirmed Asbestos
Wall		Drywall and joint compound			A	Y		90(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos
Wall		Masonry													
Wall		Texture Finish - Non Friable			A	Y		135			SF	V0006	None Detected	N.D.	None

**Client:** HRCE  
**Location:** #69 : Office  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 320  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 90

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	135		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Drywall and joint compound	90		SF	V0008	Grey	Pb: <81 ppm	No	

**Client:** HRCE  
**Location:** #69 : Office  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 320  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 90

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #70 : Server Room  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 313  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 65

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Drywall and joint compound			C	Y		65(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		65(7)			SF	V0016	Chrysotile	5-10%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		162			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #70 : Server Room  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 313  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 65

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	162		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Ceiling	Drywall and joint compound	65		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #70 : Server Room  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 313  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 65

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #71 : Library  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 316  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1221

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		316				V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		1221(7)			SF	V0012	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Piping		Not Insulated														
Wall		Drywall and joint compound			A	Y		1221(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														

**Client:** HRCE  
**Location:** #71 : Library  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 316  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1221

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	610		SF	V0003	White	Pb: 200 ppm	Lead (Low)	
Wall	Masonry	610		SF	V0009	Baby blue	Pb: <80 ppm	No	

**Client:** HRCE  
**Location:** #71 : Library  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:** 316  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 1221

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	22	EA	V9500	Presumed



**Client:** HRCE  
**Location:** #72 : Hallway  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling tiles (glue-on), 1x1			C	Y		780			SF	S0027C	None Detected	N.D.	None	
Ceiling		Adhesive/mastic		Ceiling tiles (glue-on)	D	N		780			SF	V0013	None Detected	N.D.	None	
Ceiling		Drywall (no compound)		Ceiling tiles (glue-on)												
Floor		Vinyl Floor Tile and Mastic			A	Y		700(7)			SF	V0010	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Floor		Vinyl Floor Tile and Mastic			A	Y		80(7)			SF	V0021	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Wall		Masonry														
Wall		Texture Finish - Non Friable			A	Y		1950			SF	V0006	None Detected	N.D.	None	

**Client:** HRCE  
**Location:** #72 : Hallway  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard	
Wall	Masonry	1950		SF	V0003	White	Pb: 200 ppm	Lead (Low)	

**Client:** HRCE  
**Location:** #72 : Hallway  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #72 : Hallway  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 780

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	11	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #73 : Stairwell  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1-3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 678

ASBESTOS															
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		226			SF	V0008	None Detected	N.D.	None
Ceiling		Texture Coat			A	Y		452			SF	V0006	None Detected	N.D.	None
Floor		Terrazzo			A	Y		678(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos
Other		Cement Product			C	Y		30(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos
Wall		Masonry													NF

**Client:** HRCE  
**Location:** #73 : Stairwell  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1-3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 678

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #73 : Stairwell  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1-3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00  
**Area (sqft):** 678

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	10	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #74 : Stairwell  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1-3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 711

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Ceiling Tiles (lay-in), 2x2 Pinhole and hole			C	Y		237			SF	V0008	None Detected	N.D.	None	
Ceiling <sup>1</sup>		Drywall and joint compound			C	Y		320(7)			SF	V0014	Chrysotile	0.5-5%	Confirmed Asbestos	NF
Ceiling		Texture Coat			A	Y		474			SF	V0006	None Detected	N.D.	None	
Floor		Terrazzo			A	Y		711(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Other		Cement Product			C	Y		15(7)			SF	V9500	Presumed Asbestos		Presumed Asbestos	NF
Wall		Masonry														

1 - 1st and 2nd floor landings

**Client:** HRCE  
**Location:** #74 : Stairwell  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1-3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 711

PB PRODUCTS				
Component	Quantity	Unit	Sample	Hazard
Batteries In Emer. Lights	2	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #74 : Stairwell  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1-3

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 711

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	8	EA	V9500	Presumed

# ALL DATA REPORT

**Client:** HRCE  
**Location:** #75 : Exterior  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:**

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 0

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Wall <sup>1</sup>		Caulking, light grey			C	Y		348			LF	S0025ABC	None Detected	N.D.	None	
Wall <sup>2</sup>		Caulking, dark grey			C	Y		60(7)			LF	S0026ABC	Chrysotile	0.5-5%	Confirmed Asbestos	NF

1 - expansion joint

2 - between exterior window and wall

**Client:** HRCE  
**Location:** #75 : Exterior  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:**

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 0

PAINT								
System	Item	Good	Poor	Unit	Sample	Sample Description	Amount	Hazard
Wall	Masonry	1800		SF	L0011	blue	Pb: <80 ppm	No

**Client:** HRCE  
**Location:** #75 : Exterior  
**Survey Date:** 2024-10-10

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:**

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 0

PCB							
Component	Good	Poor	Unit	Sample	Sample Description	Amount	PCB
Caulking <sup>1</sup>	350		LF	P0001	light grey	1770 mg/kg	Yes
Caulking <sup>2</sup>	60		LF	P0002	dark grey	<0.5 mg/kg	No

1 - expansion joint

2 - between exterior window and wall

## ALL DATA REPORT

**Client:** HRCE  
**Location:** #76 : Storage Room  
**Survey Date:** NaN-NaN-NaN

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 80

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Cement Product, 2x2 Transite			C	Y		64(7)			SF	V9000	Confirmed Asbestos		Confirmed Asbestos	NF
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in)			C	Y		16			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		80(7)			SF	V0016	Chrysotile	5-10%	Confirmed Asbestos	NF
Piping		Fibreglass	Straight	Canvas												
Piping		Parging Cement	Elbow		C	N		7(7)			EA	V0011	Chrysotile	50-75%	Confirmed Asbestos	F
Piping <sup>1</sup>	Debris	Parging Cement			C	N				1(2)	SF	V0011	Chrysotile	50-75%	Confirmed Asbestos	F
Structure	Beam Deck Joist	Steel		Ceiling Tiles (lay-in)												
Wall		Masonry														

1 - Laying on top of ceiling tiles

**Client:** HRCE  
**Location:** #76 : Storage Room  
**Survey Date:** NaN-NaN-NaN

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 80

PAINT									
System	Item	Good	Poor	Unit	Sample	Sample Description			Hazard
Wall	Masonry	240		SF	V0003	White			Pb: 200 ppm Lead (Low)

**Client:** HRCE  
**Location:** #76 : Storage Room  
**Survey Date:** NaN-NaN-NaN

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 80

MERCURY				
Component	Quantity	Unit	Sample	Hazard
Light Fixture	1	EA	V9500	Presumed

**Client:** HRCE  
**Location:** #76 : Storage Room  
**Survey Date:** NaN-NaN-NaN

**Site:** 7 Lancaster Drive, Halifax, NS  
**Floor:** 1

**Building Name:** Herring Cove Junior High  
**Room #:**  
**Last Re-Assessment:** 0000-00-00

**Area (sqft):** 80

PCB						
Component	Good	Poor	Unit	Sample	Sample Description	Amount
Light Ballasts			Kg	V0000		No

Client: HRCE

Location: #77 : Storage Room

Survey Date: NaN-NaN-NaN

Site: 7 Lancaster Drive, Halifax, NS

Floor: 1

Building Name: Herring Cove Junior High

Room #:

Last Re-Assessment: 0000-00-00

Area (sqft): 32

ASBESTOS																
System	Component	Material	Item	Covering	A*	V*	AP*	Good	Fair	Poor	Unit	Sample	Asbestos Type	Amount	Hazard	Friable
Ceiling		Cement Product, 2x2 Transite			C	Y		24(7)			SF	V9000	Confirmed Asbestos		Confirmed Asbestos	NF
Ceiling	Acoustic Tile	Ceiling Tiles (lay-in)			C	Y		8			SF	V0008	None Detected	N.D.	None	
Floor		Vinyl Floor Tile and Mastic			A	Y		32(7)			SF	V0016	Chrysotile	5-10%	Confirmed Asbestos	NF
Structure	Beam Deck Joist	Steel		Ceiling Tiles (lay-in)												
Wall		Masonry														

Unable to view above ceiling due to stored materials

## Legend:



Sample number		Units		Other	
S####	Asbestos sample collected	SF	Square feet	A	Access
L####	Paint sample collected	LF	Linear feet	V	Visible
P####	PCB sample collected	EA	Each	AP	Air Plenum
M####	Mould sample collected	%	Percentage	F	Friable material
V####	Material is visually identified to be identical to S####	LF	Linear feet	NF	Non Friable material
V0000	Known non hazardous material			PF	Potentially Friable material
V9000	Material visually identified as a Hazardous Material			Pb	Lead
V9500	Material is presumed to be a hazardous material			Hg	Mercury
				As	Arsenic
				Cr	Chromium

Access	
A	Accessible to all building occupants
B	Accessible to maintenance and operations staff without a ladder
C	Accessible to maintenance and operations staff with a ladder. Also rarely entered, locked areas
D	Not normally accessible

Condition	
Good	No visible damage or deterioration
Fair	Minor, repairable damage, cracking, delamination or deterioration
Poor	Irreparable damage or deterioration with exposed and missing material

Visible	
Y	The material is visible when standing on the floor of the room, without the removal or opening of other building components (e.g. ceiling tiles or access panels).
N	The material is not visible to view when standing on the floor of the room and requires the removal of a building component (e.g. ceilings tiles or access panels) to view and access. Includes rarely entered crawlspaces, attic spaces, etc. Observations will be limited to the extent visible from the access points.
L	The material is partially visible to view when standing on the floor of the room and requires the removal of a building component (e.g. ceiling system or access panels) to view completely and access. Includes partially viewed access points to crawlspaces, attic spaces, etc. without entering. Observations are limited to the extent visible from the access points.

Air Plenum	
Yes or No	The material is in a return air plenum or in a direct airstream or there is evidence of air erosion (e.g. duct for heating or cooling blowing directly on or across an ACM). This field is only completed where Air Plenum consideration is required by regulation.

Colour Coding	
	The material is a hazardous material, either by analytical results or by visible identification.
	The material is presumed to be a hazardous material, based on visual appearance, and was not sampled due to limited access or the non-destructive nature of sampling.

Action					
(1)	Clean up of ACM Debris	(2)	Precautions for Access Which may Disturb ACM Debris	(3)	ACM removal
(4)	Precautions for Work Which may Disturb ACM in Poor Condition	(5)	Proactive ACM removal (Minimum repair required for fair condition)	(6)	ACM repair

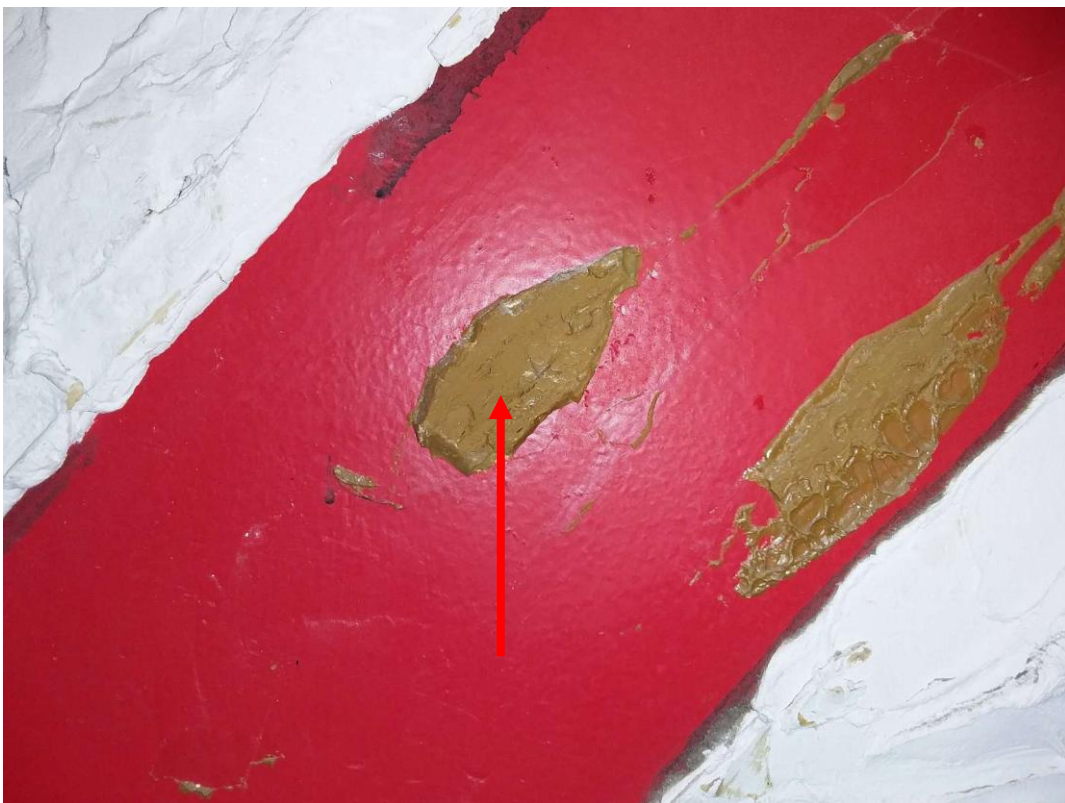
**(7) Management program and surveillance**



**APPENDIX VII**  
**Photographs**



None Detected (S0001A-C), Wall, Drywall and joint compound, Cafeteria (Location #: 27)



None Detected (S0002A-C), Wall, Yellow Adhesive/mastic, Cafeteria (Location #: 27)



**Confirmed Asbestos (S0003A-C)**, Wall, Interior, Black Caulking, Cafeteria (Location #: 27)  
On wood seams



**None Detected (S0004A-C)** Structure, Fireproofing (Fibrous), Furnace Room (Location #: 1)





None Detected (S0005A-C) Duct, Mastic, Grey, Furnace Room (Location #: 1)



None Detected (S0006A-G) Wall, Texture Finish - Non Friable, Furnace Room (Location #: 1)



**Confirmed Asbestos** (detected in the tile, S0007A-C), 12" grey with black patterns, Floor, Vinyl Floor Tile and Mastic, Classroom (Location #: 2)



None Detected (S0008A-C) 2x2 pinhole and hole, Ceiling, Ceiling Tiles (lay-in), Classroom (Location #: 2)





**Confirmed Asbestos** (detected in both tile and mastic, S0009A-C), 12" beige with light brown flecks, Floor, Vinyl Floor Tile and Mastic, Classroom (Location #: 3)



**Confirmed Asbestos**, detected in the tile, mastic is presumed, S0010) 12" light green with dark flecks, Floor, Vinyl Floor Tile and Mastic, Classroom (Location #: 4)



**Confirmed Asbestos (S0011A-C) Piping, Parging Cement, Sciences Lab Storage (Location #: 12)**



**Confirmed Asbestos (S0011A-C), Piping, Debris, Parging Cement, Sewing Lab (Location #: 14)**



**Confirmed Asbestos** (S0011A-C) Piping, Parging Cement, Classroom (Location #: 6)



**Confirmed Asbestos** (detected in both tile and mastic, S0012A-C), 12" white with black flecks, Floor, Vinyl Floor Tile and Mastic, Classroom (Location #: 5)

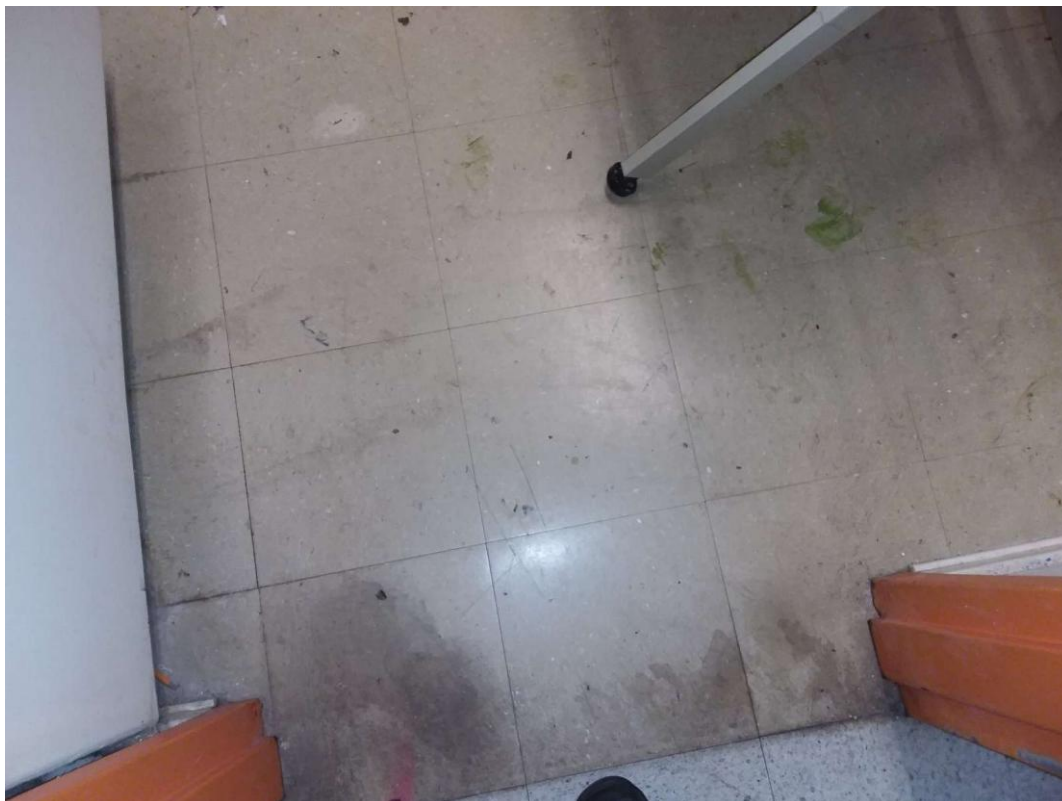




None Detected (S0013A-C), Ceiling, Adhesive/mastic, Metal Lab (Location #: 10)



None Detected (S0015A), White Sink Mastic, Science Lab (Location #: 11)



**Confirmed Asbestos** (detected in both tile and mastic, S0016A-C), 12" green with white flecks, Floor, Vinyl Floor Tile and Mastic, Sciences Lab Storage (Location #: 12)



**Confirmed Asbestos** (S0017A-C), Gold Sink Mastic, Sewing Lab (Location #: 14)





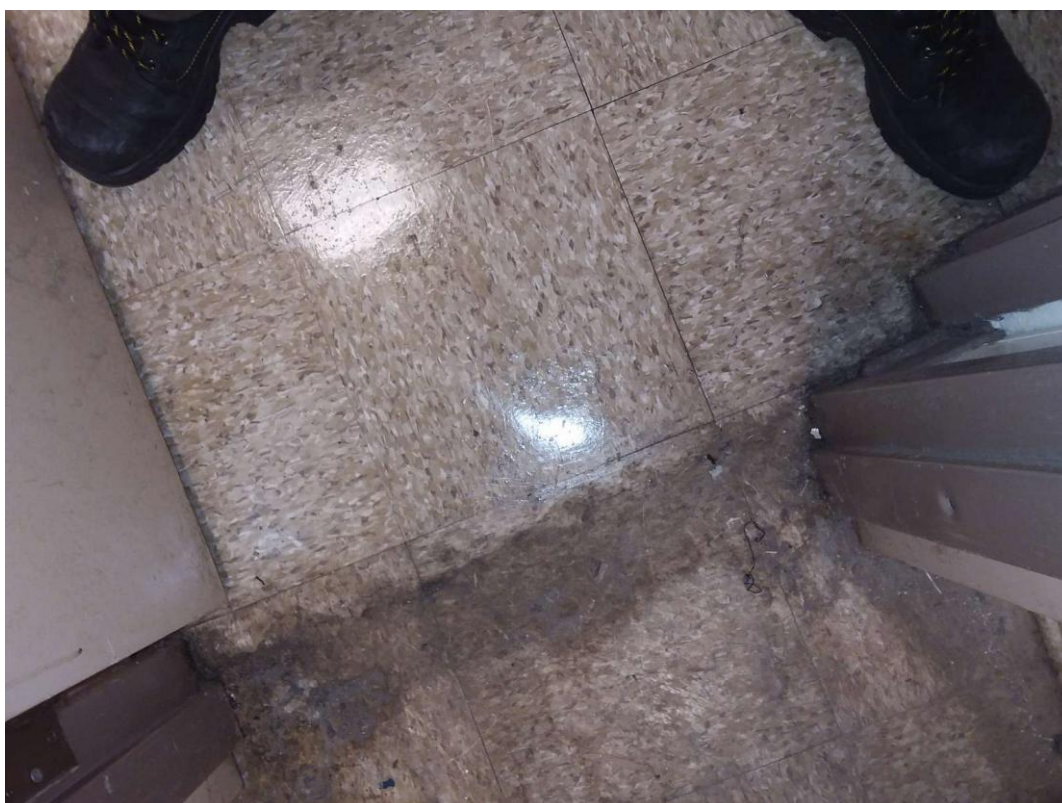
**Confirmed Asbestos** (detected in mastic, S0018A-C) 12" black with white streaks, Floor, Vinyl Floor Tile and Mastic, Resource Room (Location #: 18)



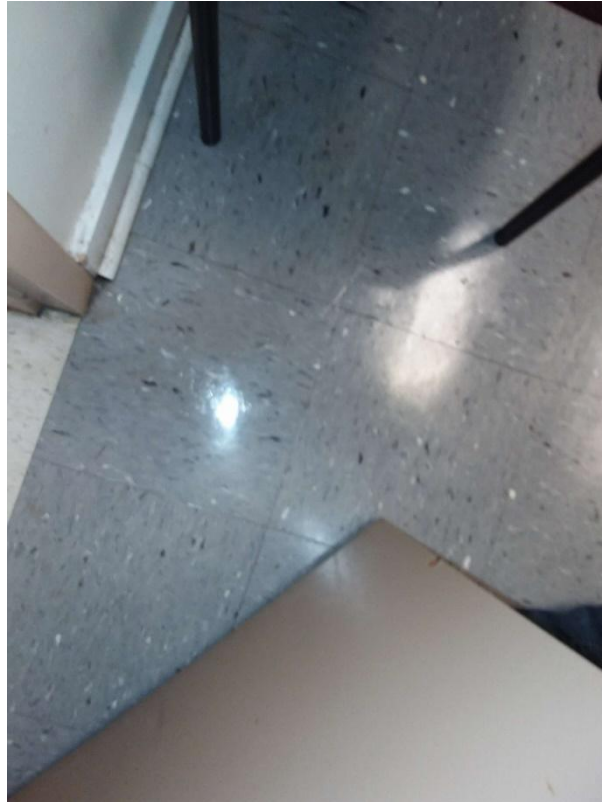
**Confirmed Asbestos** (detected in mastic, S0019A-C), 12" white with black streaks, Floor, Vinyl Floor Tile and Mastic, Resource Room (Location #: 18)



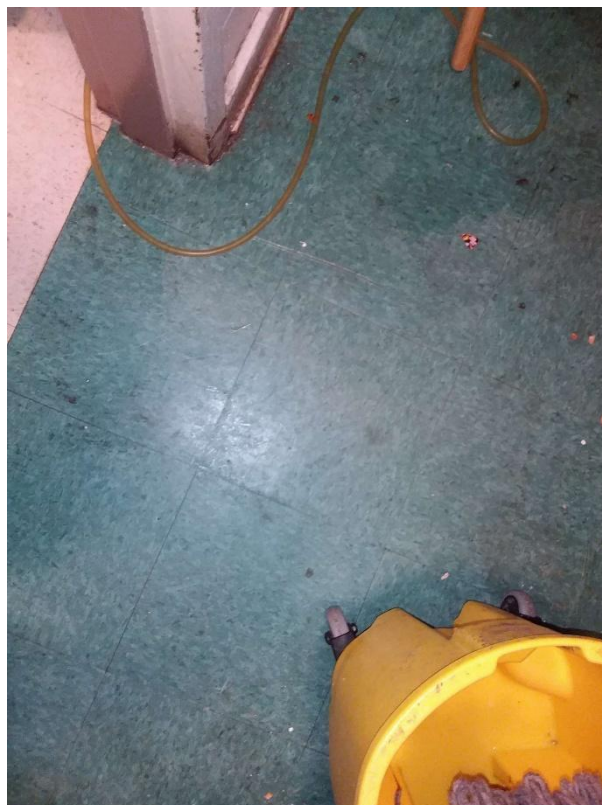
**Confirmed Asbestos** (detected in mastic, S0020A-C), 12" blue with blue and white flecks, Floor, Vinyl Floor Tile and Mastic, Closet (Location #: 21)



**Confirmed Asbestos** (detected in mastic, S0021A-C), 12" brown with brown and white streaks, Floor, Vinyl Floor Tile and Mastic, Storage Room (Location #: 23)



**Confirmed Asbestos** (detected in mastic, S0022A-C), 12" dark blue with dark and white streaks, Floor, Vinyl Floor Tile and Mastic, Office (Location #: 29)



**None Detected** (S0024A-C), 12" Dark green with light flecks, Floor, Vinyl Floor Tile and Mastic, Janitors Closet (Location #: 42)





None Detected (S0025A-C) light grey, Wall, Caulking, Exterior (Location #: 75)  
expansion joint

**Confirmed PCB**, P0001, Light grey, Wall, Caulking (Location #: 75)



**Confirmed Asbestos** (S0026A-C), dark grey, Wall, Caulking, Exterior (Location #: 75)  
between exterior window and wall



None Detected (S0027), 1x1, Ceiling, Ceiling tiles (glue-on), Wood Lab (Location #: 7)

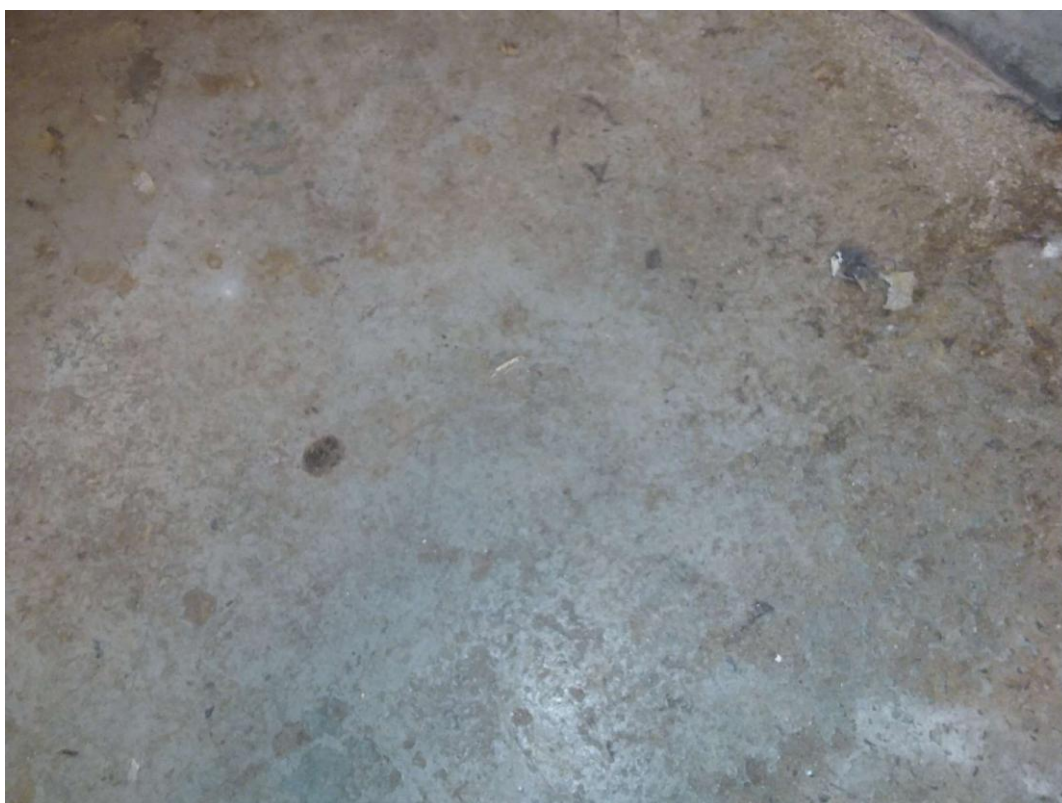


**Confirmed Asbestos** (V9000), 2x2 Transite, Ceiling, Cement Product, Storage Room (Location #: 76)



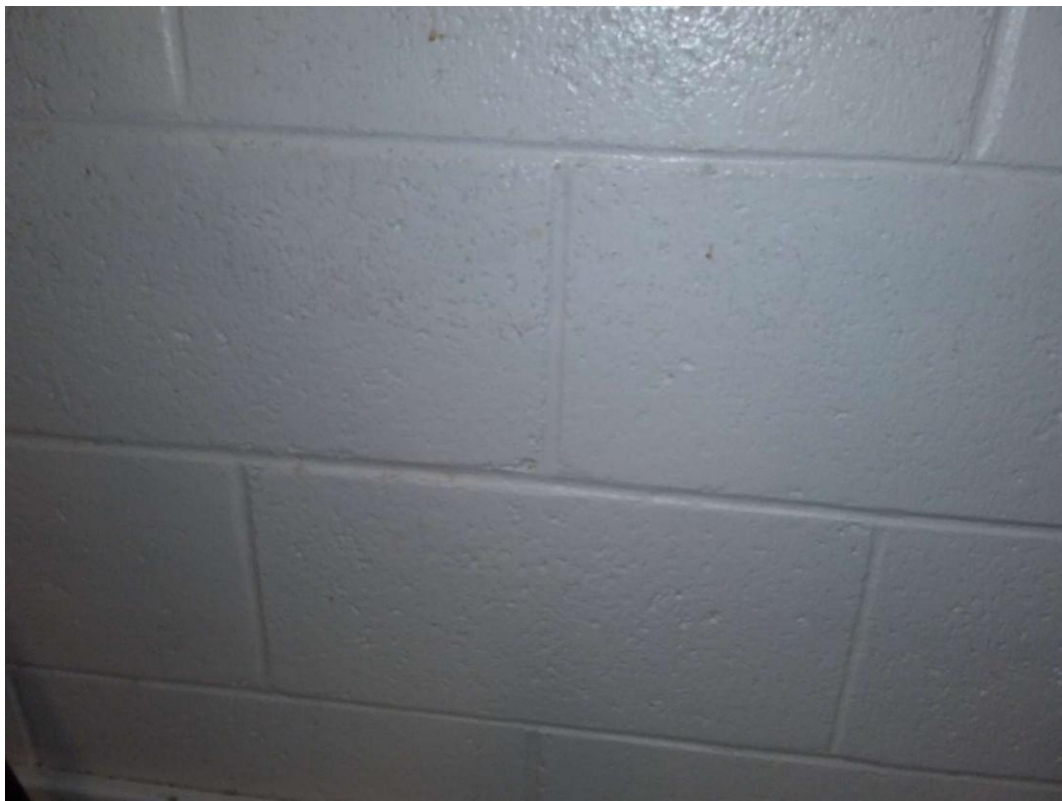


**Presumed Asbestos (V9500), Other, Cement Product, Stairwell (Location #: 73)**  
**Suspect Transite tiles around sky lights**

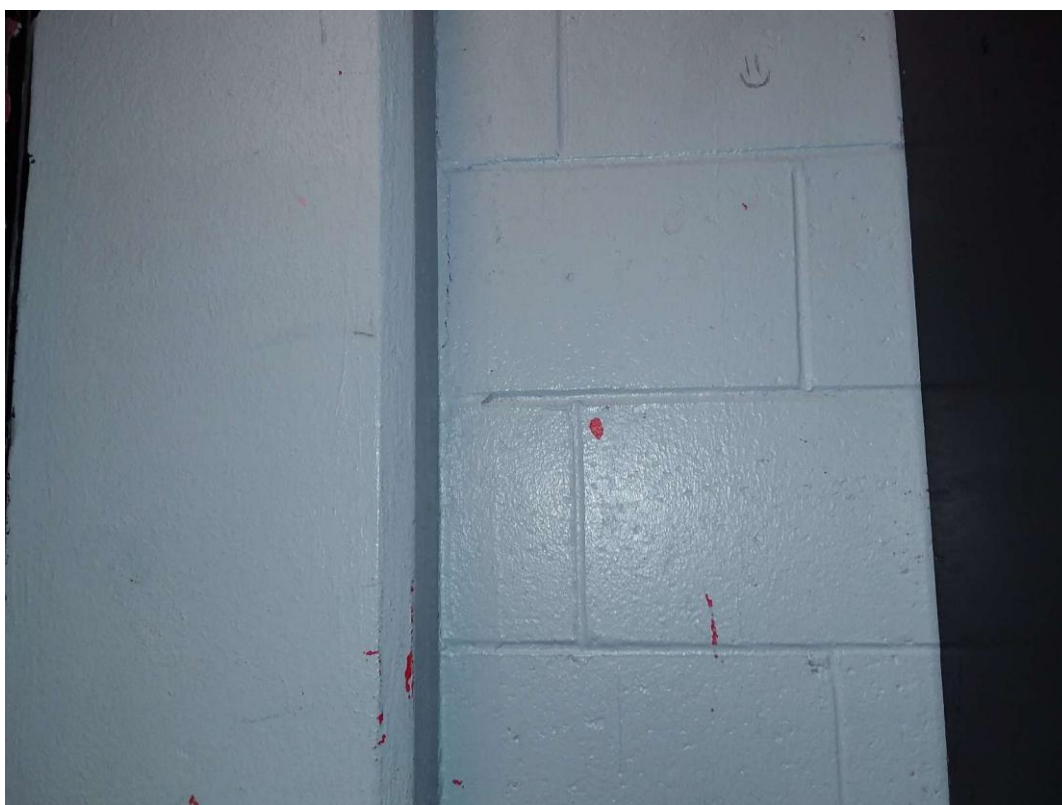


**Lead, High, (L0001) Floor, Furnace Room (Location #: 1)**  
**Grey**

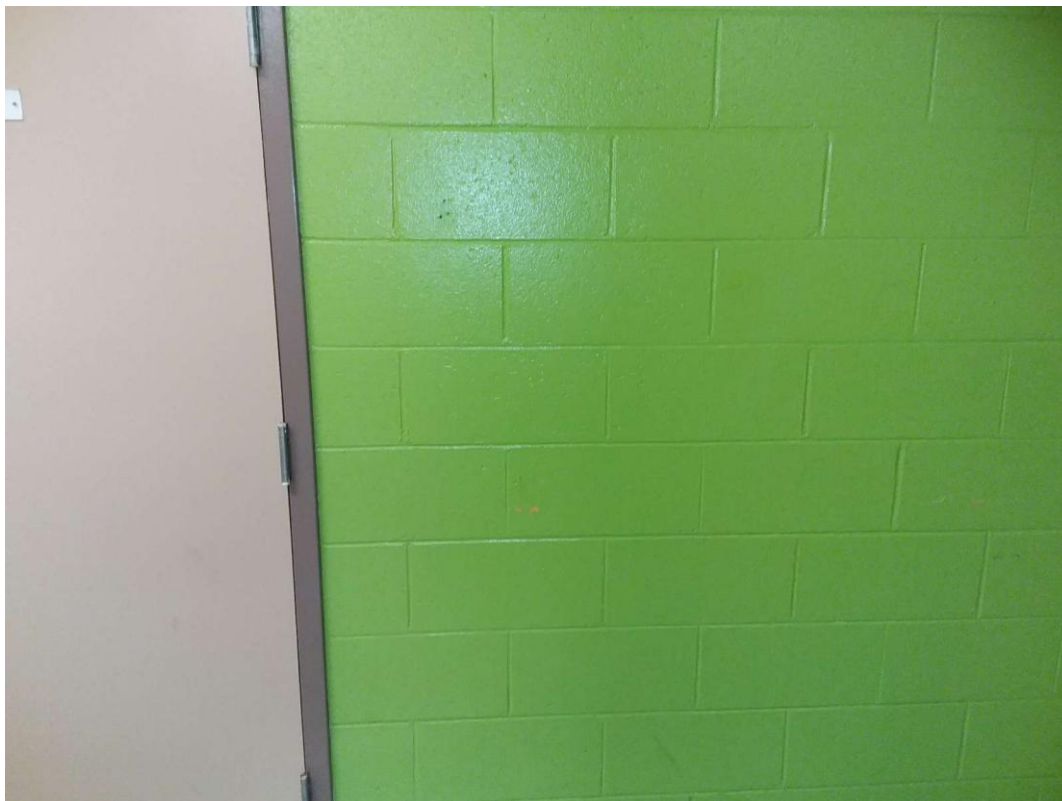




Lead, Low (L0003) Wall, Classroom (Location #: 2)  
White



Lead, High (L0004) Wall, Sewing Lab (Location #: 14)  
Light Blue



Lead, High (L0005) Wall, Hallway (Location #: 16)  
Light green



Lead, None (L0006) Wall, Office (Location #: 29)  
Dark blue

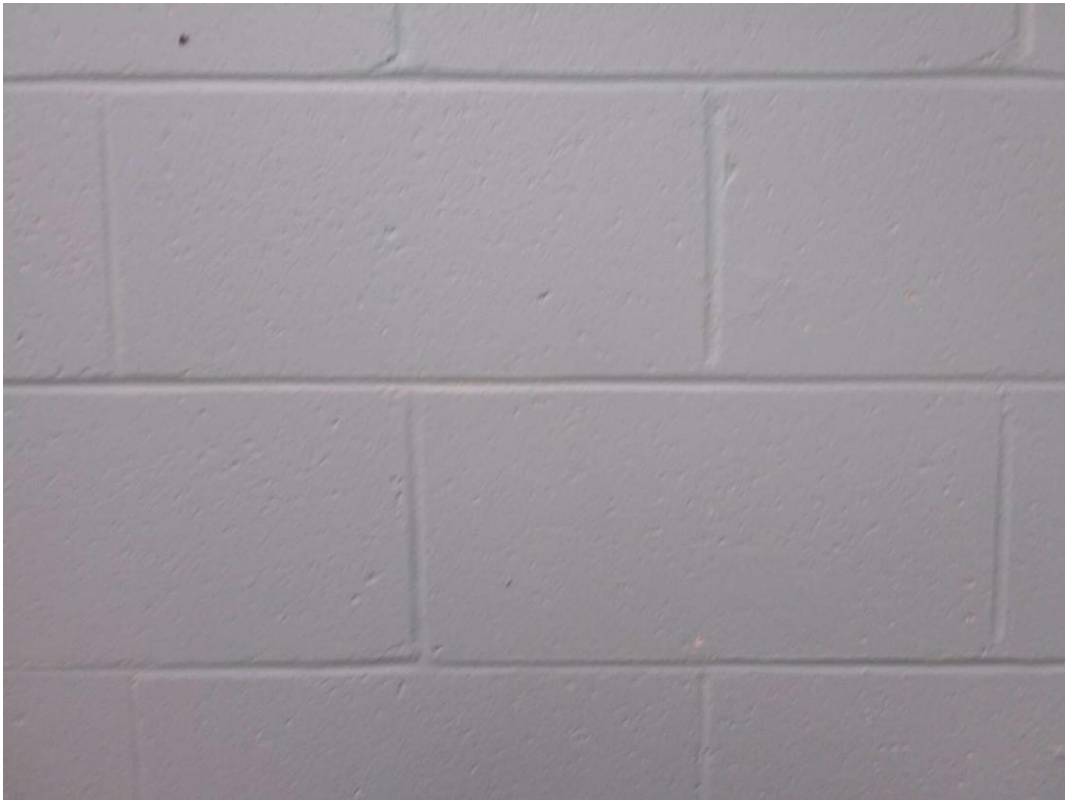


Lead, Low (L0007) Wall, Office (Location #: 30)  
Grey



Lead, None (L0008) Wall, Classroom (Location #: 36)  
Grey





Lead, None (L0009) Wall, Computer Lab (Location #: 52)  
Baby blue



Lead, High (L0010) Wall, Classroom (Location #: 56)  
Red

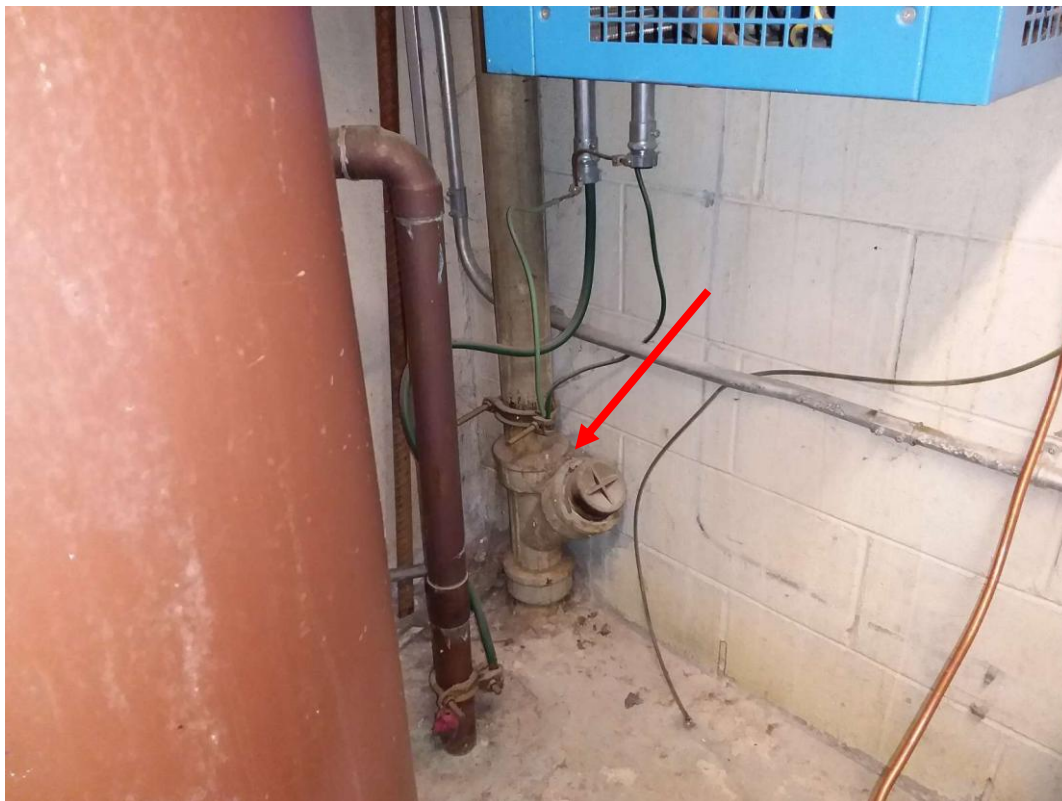


Lead, None (L0011) Wall, Exterior (Location #: 75)  
Blue



Pb Products, **Presumed** (V9500), BATTERIES IN EMER. LIGHTS, Furnace Room (Location #: 1)





Pb Products, **Yes** (V9000), BELL AND SPIGOT FITTINGS, Furnace Room (Location #: 1)



Mercury, **Presumed** (V9500), BOILER CONTROL, Furnace Room (Location #: 1)



Mould, **Yes** (V9000), Ceiling, Ceiling tiles (glue-on), Wood Lab (Location #: 7)



## Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

January 21, 2025  
FirstOnSite Restoration Ltd.  
39 Gurholt Drive  
Dartmouth NS B3B 1J8

Attention: Jason Kerrivan  
Lab Reference No.: b330879  
Client Project Name: HRCE - Herring Cove Jr High  
Client Project No.: DM24JK253RE3  
Date Received: January 21, 2025  
Date Analyzed: January 21, 2025  
Analyst(s): R. Janssen  
# Samples submitted: 4  
# Phases analyzed: 9

### Methods of Analysis:

#### **EPA 600/R-93/116 - Method for the Determination of Asbestos in Bulk Building Materials dated July, 1993**

Bulk samples are checked visually and scanned under a stereomicroscope. Slides are prepared with representative portions of material and observed under a Polarized Light Microscope (PLM) at magnifications of 40X, 100X or 400X as appropriate. Asbestos fibres are identified by a combination of morphology, colour, refractive index, extinction, sign of elongation, birefringence and dispersion staining colours. A visual estimate is made of the percentage of asbestos present. A reported concentration of less than (<) the regulatory threshold (see chart below) indicates the presence of confirmed asbestos in trace quantities, limited to only a few fibres or fibre bundles in an entire sample. This method complies with all provincial regulatory requirements (NIOSH 9002, I.R.S.S.T. MA-244). Multiple phases within a sample are analyzed and reported separately.

Provincial Jurisdiction	Regulatory Threshold	Provincial Jurisdiction	Regulatory Threshold
Ontario, British Columbia, Nova Scotia	0.5%	Alberta	Undefined
Quebec	0.1%	Saskatchewan	0.5% friable 1% non-friable
PEI, NWT, Yukon, Nunavut, Newfoundland and Labrador, and New Brunswick	1%	Manitoba	0.1% friable 1% non-friable

All bulk samples submitted to this laboratory for asbestos analysis are retained for a minimum of three months. Samples may be retrieved, upon request, for re-examination at any time during that period.

The Pinchin Ltd. Dartmouth asbestos laboratory is accredited by the National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 201032-0) for the 'EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples' and the 'EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials'; and meets all requirements of ISO/IEC 17025:2017.

This report relates only to the items tested. If you have any questions, please feel free to contact me.

Regards,

**NOTE:** This test report may not be reproduced, except in full, without the written approval of the laboratory. The client may not use this report to claim product endorsement by NVLAP or any agency of the U.S. Government. This report is valid only when signed in blue ink by the analyst and the laboratory manager. Vinyl asbestos floor tiles contain very fine fibres of asbestos and may be missed by some laboratories using the PLM method. Internal verification studies performed by Pinchin indicate that the chance of missing asbestos in floor tiles is no higher than about 2%. The vinyl tile study and laboratory documentation on measurement uncertainty are available upon request. The analysis of dust samples by PLM cannot be used as an indicator of past or present airborne asbestos fibre levels.





## Pinchin Ltd. Asbestos Laboratory Certificate of Analysis

Client Project Name: HRCE - Herring Cove Jr High  
Client Project No.: DM24JK253RE3  
Prepared For: Jason Kerrivan

Lab Reference No.: b330879  
Date Analyzed: January 21, 2025

### BULK SAMPLE ANALYSIS

SAMPLE IDENTIFICATION	SAMPLE DESCRIPTION	% COMPOSITION (VISUAL ESTIMATE)			
		ASBESTOS		OTHER	
1 VCT Tile / Mastic Library	2 Phases: a) Homogeneous, beige, consolidated, vinyl floor tile.	Chrysotile	0.5-5%	Non-Fibrous Material	> 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile	0.5-5%	Tar and other Non-Fibrous Material	> 75%
2 VCT Tile / Mastic Cafe (Edges)	2 Phases: a) Homogeneous, black, consolidated, vinyl floor tile.	None Detected		Non-Fibrous Material	> 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile	0.5-5%	Tar and other Non-Fibrous Material	> 75%
3 VCT Tile / Mastic Music Rm	3 Phases: a) Homogeneous, white, consolidated, vinyl floor tile.	None Detected		Non-Fibrous Material	> 75%
	b) Homogeneous, yellow, soft, sticky material on the back of vinyl floor tile.	None Detected		Non-Fibrous Material	> 75%
	c) Homogeneous, black, tar material.	Chrysotile	0.5-5%	Tar and other Non-Fibrous Material	> 75%
4 VCT Tile / Mastic Music Rm	2 Phases: a) Homogeneous, light grey, consolidated, vinyl floor tile.	Chrysotile	0.5-5%	Non-Fibrous Material	> 75%
	b) Homogeneous, black, soft, sticky material on the back of vinyl floor tile.	Chrysotile	0.5-5%	Tar and other Non-Fibrous Material	> 75%

Reviewed by:

Reporting Analyst:



# EMSL Canada Inc.

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EMSL Canada Order 552508059  
Customer ID: 55HVEN42  
Customer PO: NS25.02.161  
Project ID:

**Attn:** Justin Landry  
Hive Engineering  
29 Victoria Street, Unit 102  
Moncton, NB E1C 9J6

**Phone:** (506) 386-4897  
**Fax:**  
**Collected:** 4/30/2025  
**Received:** 5/05/2025  
**Analyzed:** 5/09/2025

**Proj:** NS25.02.161

## Summary Test Report for Asbestos Analysis of Bulk Materials for Nova Scotia Code of Practice Section 66 OHS Act - Asbestos in the Workplace

**Client Sample ID:** AS25-1 **Lab Sample ID:** 552508059-0001

**Sample Description:** DWC Wall- Assessability entrance - lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	White	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-2-Flooring

**Lab Sample ID:** 552508059-0002

**Sample Description:** Vinyl Flooring - Elevator

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Black/Beige	25.0%	75.0%	None Detected	

**Client Sample ID:** AS25-2-Mastic

**Lab Sample ID:** 552508059-0002A

**Sample Description:** Vinyl Flooring - Elevator

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Yellow	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-3

**Lab Sample ID:** 552508059-0003

**Sample Description:** Caulking - Elevator

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Clear	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-4

**Lab Sample ID:** 552508059-0004

**Sample Description:** 12"x12" VFT - Hallway - lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	White	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-5

**Lab Sample ID:** 552508059-0005

**Sample Description:** Mastic Hallway - lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-6

**Lab Sample ID:** 552508059-0006

**Sample Description:** 12"x12" VFT - Hallway - lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Beige	0.0%	98.0%	2% Chrysotile	



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EMSL Canada Order 552508059  
Customer ID: 55HVEN42  
Customer PO: NS25.02.161  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Materials for Nova Scotia Code of Practice Section 66 OHS Act - Asbestos in the Workplace

**Client Sample ID:** AS25-7 **Lab Sample ID:** 552508059-0007

**Sample Description:** Mastic - Hallway - lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Black	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-8 **Lab Sample ID:** 552508059-0008

**Sample Description:** 12"x12" VFT -Music Room - lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Beige	0.0%	98.0%	2% Chrysotile	

**Client Sample ID:** AS25-9 **Lab Sample ID:** 552508059-0009

**Sample Description:** Mastic- Music Room - Lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Black	0.0%	96.0%	4% Chrysotile	

**Client Sample ID:** AS25-11 **Lab Sample ID:** 552508059-0010

**Sample Description:** 12"x12 Ceiling tile -Hallway - lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Brown	80.0%	20.0%	None Detected	

**Client Sample ID:** AS25-12 **Lab Sample ID:** 552508059-0011

**Sample Description:** Drywall ceiling - Hallway - lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-13 **Lab Sample ID:** 552508059-0012

**Sample Description:** Ceiling tile glue - Hallway - lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Brown	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-14 **Lab Sample ID:** 552508059-0013

**Sample Description:** Acoustical Ceiling Tile- Lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Brown	80.0%	20.0%	None Detected	

**Client Sample ID:** AS25-15 **Lab Sample ID:** 552508059-0014

**Sample Description:** Mastic - Lower Level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Black	0.0%	97.0%	3% Chrysotile	



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EMSL Canada Order 552508059  
Customer ID: 55HVEN42  
Customer PO: NS25.02.161  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Materials for Nova Scotia Code of Practice Section 66 OHS Act - Asbestos in the Workplace

**Client Sample ID:** AS25-16 **Lab Sample ID:** 552508059-0015  
**Sample Description:** 12"x12" VFT - lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Beige	0.0%	98.0%	2% Chrysotile	

**Client Sample ID:** AS25-17 **Lab Sample ID:** 552508059-0016  
**Sample Description:** Drywall Ceiling - hallway - lower level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-18 **Lab Sample ID:** 552508059-0017  
**Sample Description:** Ceiling tile glue - Entry way - main level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Brown	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-19 **Lab Sample ID:** 552508059-0018  
**Sample Description:** 12"x12" VFT - Cafeteria - main level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Beige	0.0%	97.0%	3% Chrysotile	

**Client Sample ID:** AS25-20 **Lab Sample ID:** 552508059-0019  
**Sample Description:** Mastic - cafeteria - main level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray/Black	0.0%	99.0%	1% Chrysotile	

**Client Sample ID:** AS25-21 **Lab Sample ID:** 552508059-0020  
**Sample Description:** 12"x12" -hallway -main level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Beige	0.0%	98.0%	2% Chrysotile	

**Client Sample ID:** AS25-22 **Lab Sample ID:** 552508059-0021  
**Sample Description:** Mastic hallway - main level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Black	0.0%	98.0%	2% Chrysotile	

**Client Sample ID:** AS25-23 **Lab Sample ID:** 552508059-0022  
**Sample Description:** Drywall ceiling - hallway main level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray	0.0%	100.0%	None Detected	



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EMSL Canada Order 552508059  
Customer ID: 55HVEN42  
Customer PO: NS25.02.161  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Materials for Nova Scotia Code of Practice Section 66 OHS Act - Asbestos in the Workplace

**Client Sample ID:** AS25-24 **Lab Sample ID:** 552508059-0023

**Sample Description:** Ceiling tile glue - hallway main level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Brown	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-25 **Lab Sample ID:** 552508059-0024

**Sample Description:** 12"x12" Ceiling tile - Hallway - main level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray	80.0%	20.0%	None Detected	

**Client Sample ID:** AS25-26 **Lab Sample ID:** 552508059-0025

**Sample Description:** Drywall ceiling - hallway - main level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-27 **Lab Sample ID:** 552508059-0026

**Sample Description:** 12"x12" VFT - Library - 2nd Level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray	0.0%	97.0%	3% Chrysotile	

**Client Sample ID:** AS25-28 **Lab Sample ID:** 552508059-0027

**Sample Description:** Mastic - Library - 2nd Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Black	0.0%	98.0%	2% Chrysotile	

**Client Sample ID:** AS25-29 **Lab Sample ID:** 552508059-0028

**Sample Description:** Acoustic Tile- Stairwell - 2nd Level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray	80.0%	20.0%	None Detected	

**Client Sample ID:** AS25-30 **Lab Sample ID:** 552508059-0029

**Sample Description:** 12"x12" Ceiling Tile- Hallway - 2nd Level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray	80.0%	20.0%	None Detected	

**Client Sample ID:** AS25-31 **Lab Sample ID:** 552508059-0030

**Sample Description:** Ceiling Tile Glue -Hallway - 2nd Level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Brown	0.0%	100.0%	None Detected	



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Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Materials for Nova Scotia Code of Practice Section 66 OHS Act - Asbestos in the Workplace

**Client Sample ID:** AS25-32 **Lab Sample ID:** 552508059-0031  
**Sample Description:** Drywall Ceiling - Hallway - 2nd Level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-33 **Lab Sample ID:** 552508059-0032  
**Sample Description:** 12"x12" VFT - Hallway - 2nd Level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray	0.0%	97.0%	3% Chrysotile	

**Client Sample ID:** AS25-34 **Lab Sample ID:** 552508059-0033  
**Sample Description:** Mastic- Hallway - 2nd Level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Black	0.0%	97.0%	3% Chrysotile	

**Client Sample ID:** AS25-35 **Lab Sample ID:** 552508059-0034  
**Sample Description:** 12"x12" VFT -2nd Level - Hallway

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Beige	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-37 **Lab Sample ID:** 552508059-0035  
**Sample Description:** Drywall Ceiling - Hallway - 2nd Level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Gray	0.0%	100.0%	None Detected	

**Client Sample ID:** AS25-38 **Lab Sample ID:** 552508059-0036  
**Sample Description:** 12"x12" Ceiling Tile- Entry Way - Main Level

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	5/09/2025	Brown	80.0%	20.0%	None Detected	



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EMSL Canada Order 552508059  
Customer ID: 55HVEN42  
Customer PO: NS25.02.161  
Project ID:

### Summary Test Report for Asbestos Analysis of Bulk Materials for Nova Scotia Code of Practice Section 66 OHS Act - Asbestos in the Workplace

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#### Analyst(s):

Antonio Peluso PLM (21)  
Vanessa Gallego PLM (16)

#### Reviewed and approved by:

Matthew Davis or other approved signatory  
or Other Approved Signatory

None Detected = <0.1%. EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This is a summary report; official reports are available on LabConnect or upon request and relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Canada Inc. Mississauga, ON NVLAP Lab Code 200877-0

Report amended: 05/12/2025 15:45:09 Replaces initial report from: 05/09/2025 13:27:55 Reason Code: DataEntry-Other (see report comment)

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## Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

55250 8089

PHONE:  
FAX:

Company Name : Hive Engineering		EMSL Customer ID:	
Street: 29 Victoria Street		City: Moncton	State/Province: NB
Zip/Postal Code: E1C 9J6	Country: Canada	Telephone #: 506-386-4897	Fax #:
Report To (Name): Justin Landry		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: justin.landry@hiveeng.ca		Purchase Order:	
Project Name/Number: NS25.02.161		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: NB		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
<b>Turnaround Time (TAT) Options* - Please Check</b>			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input checked="" type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
<b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 <i>205%</i> <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water: EPA 100.2</b> Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
		<b>TEM- Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only) <b>Other:</b> <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Justin Landry		Samplers Signature: <i>[Signature]</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
AS25-1	DWC Wall - Assessability entrance - lower level	N/A	April 30/25
AS25-2	Vinyl Flooring - Elevator	N/A	April 30/25
AS25-3	Caulking - Elevator	N/A	April 30/25
AS25-4	12"x12" VFT - Hallway - lower level	N/A	April 30/25
AS25-5	Mastic - Hallway - lower level	N/A	April 30/25
Client Sample # (s): AS25-1 - AS25-30		Total # of Samples: 30	
Relinquished (Client): <i>[Signature]</i>		Date: <i>MM. 2/25</i>	Time: <i>11:14AM</i>
Received (Lab): <i>LAB 55/16</i>		Date: <i>5/5/25</i>	Time: <i>10:02AM</i>
Comments/Special Instructions:			

Puroletor: 3354 0491 8427





EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

## Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

PHONE:

FAX:

*Additional Pages of the Chain of Custody are only necessary if needed for additional sample information*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
AS25-6	12"x12" VFT - Hallway - lower level	N/A	April 30/25
AS25-7	Mastic - Hallway - lower level	N/A	April 30/25
AS25-8	12"x12" VFT - Music Room - lower level	N/A	April 30/25
AS25-9	Mastic - Music Room - lower level	N/A	April 30/25
AS25-11	12"x12" Ceiling tile - Hallway - lower level	N/A	April 30/25
AS25-12	Drywall ceiling - Hallway - lower level	N/A	April 30/25
AS25-13	Ceiling tile glue - hallway - lower level	N/A	April 30/25
AS25-14	Acoustical Ceiling Tile - Lower Level	N/A	April 30/25
AS25-15	Mastic - Lower Level	N/A	April 30/25
AS25-16	12"x12" VFT - lower level	N/A	April 30/25
AS25-17	Drywall Ceiling - hallway - lower level	N/A	April 30/25
AS25-18	Ceiling tile glue - Entry way- main level	N/A	April 30/25
AS25-19	12"x12" VFT - cafeteria - main level	N/A	April 30/25
AS25-20	Mastic - cafeteria - main level	N/A	April 30/25
AS25-21	12"x12" VFT - hallway - main level	N/A	April 30/25
AS25-22	Mastic - hallway - main level	N/A	April 30/25
AS25-23	Drywall ceiling - hallway - main level	N/A	April 30/25
AS25-24	Ceiling tile glue - hallway - main level	N/A	April 30/25
AS25-25	12"x12" Ceiling tile - Hallway - main level	N/A	April 30/25
AS25-26	Drywall ceiling - hallway - main level	N/A	April 30/25
AS25-27	12"x12" VFT - Library - 2nd Level	N/A	April 30/25
AS25-28	Mastic - Library - 2nd Floor	N/A	April 30/25
*Comments/Special Instructions:			

**EMSL Order Number** (Lab Use Only):

FAX:

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Page 2 of 2 pages

LAB 55/NC  
5/5/25 @ 10:02 Am LC

Revoluton : 3354 0491 8427

**EMSL Order Number** (Lab Use Only):

*Additional Pages of the Chain of Custody are only necessary if needed for additional sample information*

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
AS25-29	Acoustical Tile - Stairwell - 2nd Level	N/A	April 30/25
AS25-30	12"x12" Ceiling Tile - Hallway - 2nd Level	N/A	April 30/25
AS25-31	Ceiling Tile Glue - Hallway - 2nd Level	N/A	April 30/25
AS25-32	Drywall Ceiling - Hallway - 2nd Level	N/A	April 30/25
AS25-33	12"x12" VFT - Hallway - 2nd Level	N/A	April 30/25
AS25-34	Mastic - Hallway - 2nd Level	N/A	April 30/25
AS25-35	12"x12" VFT - 2nd Level - Hallway	N/A	April 30/25
AS25-37	Drywall Ceiling - Hallway - 2nd Level	N/A	April 30/25
AS25-38	12"x12" Ceiling Tile - Entry Way - Main level	N/A	April 30/25
<b>*Comments/Special Instructions:</b>			

Page 2 of 2 pages

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**Halifax**

Regional Centre for Education

**FINAL**  
**Asbestos**  
**Management Program**  
HRCE Facilities

Prepared for:

**Halifax Regional Centre for  
Education**

33 Spectacle Lake Drive  
Dartmouth, Nova Scotia B3B 1W8

August 28, 2023

Pinchin File: 322126.000



## IMPORTANT CONTACTS

### HRCE and Facility Management Contacts

Title/Function	Contact Name	Phone	Email
AMP Facilitator	Geoffrey Olsson	902.220.1290,	Geoff.olsson@HRCE.ca
AMP Facilitator Back-up	Kavita Khanna	902.237.0247,	kkhanna@HRCE.ca
After hours emergency reporting	After hours manager on call	902.493.5110	

### Pinchin Contacts

Contact Name	Phone	Email
Jackson Munro	902.220.7203	<a href="mailto:jmunro@pinchin.com">jmunro@pinchin.com</a>
After Hours Emergency Line	1.800.577.2653	

### Approved Abatement Contractors

Company	Contact Name	Phone	Email
First On Site	Jason Kerrivan	902.434.7199	<a href="mailto:jkerrivan@firstonsite.ca">jkerrivan@firstonsite.ca</a>



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## **APPENDICES**

### **GLOSSARY**

APPENDIX A	Letter of Notification to Tenants Regarding Asbestos in Premises
APPENDIX B	Contractor Notification and Acknowledgement Form
APPENDIX C	Response to Disturbance of Asbestos
APPENDIX D	Asbestos Project Work Record
APPENDIX E	Reassessment of ACM
APPENDIX F	Classifications of Abatement Work
APPENDIX G	Site Specific Report(s)
APPENDIX H	Site Specific Contacts



## **1.0 INTRODUCTION**

Halifax Regional Centre for Education (HRCE) is committed to protect the health and safety of workers and occupants. This Asbestos Management Program (AMP) has been developed to meet responsibilities as an employer, and as a building owner to manage operational issues respecting asbestos and to maintain compliance with applicable regulations for disturbance of asbestos-containing materials (ACM) during demolition, renovation, alteration, maintenance, repair or other activities.

## **2.0 SCOPE**

The AMP provides information and procedures for Asbestos Management of all HRCE owned or occupied facilities in Nova Scotia.

The AMP applies to all HRCE staff as well as all service providers and contractors performing work in HRCE facilities.

The AMP outlines requirements for HRCE personnel involved in acquisition of property which may contain ACM. It applies to all categories of property with the exception of vacant lands. If HRCE decides to lease property in the future ACM should be considered when developing their lease agreement and this AMP should be amended to address leased properties occupied by the HRCE.

The AMP is a management system to control the disturbance of ACM during demolition, renovation, alteration, maintenance, repair or other activities.

The AMP incorporates the following elements:

- Asbestos Assessments and Reassessments.
- Regulatory Requirements and HRCE Policies.
- Roles and Responsibilities.
- Notifications.
- Training Requirements.
- Emergency Reaction and Procedures.
- Record Keeping.
- Contractor Requirements.

## **3.0 OBJECTIVE**

The AMP is a management system primarily intended to identify ACM and control disturbance of ACM by using proper procedures during demolition, renovation, alteration, maintenance, repair or other activities. The objective in preparing and instituting this AMP is to ensure that known or suspected ACM is managed





so that maintenance staff, construction workers and occupants are safeguarded in accordance with applicable regulations.

#### **4.0 BACKGROUND INFORMATION AND HEALTH EFFECTS**

The following is a very brief summary of the hazards and health effects from asbestos exposure:

- Occupational exposure to asbestos can cause fatal lung disease.
- Asbestos must become airborne and be inhaled to be hazardous. A physical disturbance or direct contact with ACM is required to cause it to become airborne. The mere presence of asbestos is not hazardous.
- Asbestos may remain in buildings so long as it is in good condition and undisturbed. No Provincial or Federal Regulations require the removal of ACM as long as it is enclosed, encapsulated or managed appropriately and removed prior to building demolition.

#### **5.0 REGULATORY REQUIREMENTS AND HRCE POLICIES**

##### **5.1 Regulatory Requirements**

This AMP was implemented in response to the following legislation in effect as of August 28, 2023.

All building operations, whether performed by HRCE, or service providers, shall adhere to the requirements outlined in this document and all applicable regulations, guidance documents and acceptable professional standards.

The following regulations and guidelines were in place at the time this AMP was prepared:

1. Occupational Health and Safety Act, N.S. Reg. 52/2013.
2. A Guide to Removal of Friable Asbestos-Containing Material.
3. A Guide to Assessment and Management of Asbestos in the Workplace.
4. Asbestos Waste Management Regulations, N.S. Reg. 53/95

#### **6.0 HRCE POLICIES RELATED TO ASBESTOS**

HRCE has established the following policies related to asbestos independent of applicable regulations:

- HRCE may opt for removal of ACM with minor damage as opposed to repair or encapsulation when cost-effective unless removal is not practicable. ACM with major damage must be removed.
- At existing leased properties where HRCE is a tenant, when ACM is discovered during any improvement, addition, renovation, demolition, maintenance, repair of any kind, or at



any other time, the Owner (Landlord) shall promptly remove the ACM from the leased premises, if possible within the existing lease agreement.

- HRCE may perform Low Risk asbestos operations, where appropriately trained to perform the work.
- All Moderate and High asbestos operations must be undertaken by an Asbestos Abatement Contractor. Asbestos Abatement Contractors may also perform Low Risk asbestos operations.

## **7.0 ASBESTOS-CONTAINING MATERIALS AT HRCE FACILITIES**

Refer to the individual Asbestos Assessment or subsequent Asbestos Reassessment Reports prepared for the Facility, provided in Appendix G. In some cases, Hazardous Materials Assessment or Designated Substance Survey Reports have been prepared and these reports include information regarding asbestos and other hazardous materials (e.g. lead, mercury, silica, and PCBs).

All assessment reports or subsequent Asbestos Reassessment Reports have been, or will be, prepared to comply with applicable asbestos regulations and this AMP.

Asbestos Assessment Reports are key components of this AMP, as the reports define the locations of ACM and Presumed ACM (PACM) present in the facility, the condition of ACM, the friability, the type of asbestos and the approximate quantity.

### **7.1 Asbestos Assessments**

Refer to the Asbestos Assessment or Hazardous Building Materials Assessment Report in Appendix G for further information on the methodology of the assessment(s) completed for the Facility.

HRCE will engage a Consultant to perform asbestos assessments for all facilities. The report is to be completed following a methodology compliant with applicable regulations and acceptable professional standards. The report must comment on the condition of the ACM, include recommendations for remedial action, and is to include the risk classification for any abatement required.

In facilities which are leased, copies of the initial asbestos assessment, and any subsequent reassessments, shall be provided by the Owner to HRCE, and maintained on Site, or HRCE will have an asbestos assessment report prepared and complete subsequent reassessments, limited to the leased space.

### **7.2 Reassessment of ACM**

All ACM and PACM identified in the Facilities will be inspected at reasonable intervals, and at minimum annually, a reassessment of all ACM and PACM will be completed with written documentation.



The reassessment of ACM and PACM will be completed by a Consultant (Qualified Person) or HRCE staff, using the form provided in Appendix E.

#### *7.2.1 Reassessment in Unassessed Areas*

Where assessments have been completed in only a portion of schools, all non-sampled materials (including but not limited to ceiling tiles, vinyl floor tiles, vinyl sheet floor, etc.) are to be presumed to contain asbestos, and reassessed during their yearly inspection of the suites.

When feasible, arrangements should be made to access previously unassessed areas during the annual reassessments. If during any annual or other inspections, materials not previously sampled are found to be damaged (spalling finishes, debris, etc.), samples are to be collected and the material is to be identified as asbestos or non-asbestos. Remedial action and removal procedures are to be decided accordingly if the materials are found to contain asbestos.

### **7.3 Distribution of Assessment and Reassessment Reports**

HRCE will ensure that each assessment and reassessment report is distributed or accessible to the following:

- HRCE JOHSC and/or Occupational Health and Safety Representative (OHS Representative).
- A hard copy will be sent to each facility. Electronic copies will be made available.
- Building Operators, Maintenance Personnel, Janitorial Staff.
- Project Managers or Construction Managers planning or performing work in a HRCE Building.
- Outside contractors that could potentially disturb ACM through their work.

### **8.0 PRE-CONSTRUCTION HAZARDOUS BUILDING MATERIALS ASSESSMENT**

Prior to the commencement of any work that requires renovation, construction or demolition, the Facility or specific areas of the Facility to be impacted by the work shall be assessed for ACM, as well as other hazardous building materials (e.g. lead, mercury, silica, and PCBs), (the “**Pre-Construction Hazardous Building Materials Assessment**”).

The Pre-Construction Hazardous Building Materials Assessment must be performed by a Consultant and include destructive or intrusive testing of enclosed areas.

Sampling may include the following:



- Prior to disturbance of materials presumed to contain asbestos listed in the assessment reports, collect samples of materials that were not previously sampled/identified (refer to Asbestos Assessment Report or Hazardous Materials Report).
- Unidentified suspect materials that were not sampled during the initial survey, but which may be present located within enclosed areas such as pipe/duct insulations in ceiling spaces, chases or shafts. If such areas will be affected by the work, entry to these areas and sampling of suspect materials shall be performed.
- Assessment of existing visible floor, wall and ceiling finishes to assess and sample concealed finishes (e.g., vinyl flooring under carpet or other vinyl flooring, drywall over plaster, etc.)
- Other hazardous building materials shall be sampled and analyzed or identified prior to disturbance as required by provincial regulatory requirements. Other hazardous building materials may include lead, mercury, silica, polychlorinated biphenyls, mould, etc.

Upon receiving the Pre-Construction Hazardous Building Materials Assessment report, if asbestos and/or other hazardous building materials are present in the area, specifications (large scale projects) or a scope of work (small scale projects) for removal shall be prepared, provided, and reviewed by the Constructor or contractor prior to any renovation, construction, or demolition work.

HRCE will employ an Abatement Contractor to perform abatement of other hazardous materials and/or ACM that may be disturbed by construction, renovation, or demolition work using appropriate regulated procedures.

## **9.0 REMEDIAL WORK – DAMAGED MATERIALS**

Where damage is observed, HRCE will refer to the existing Asbestos or Hazardous Building Materials Assessment or subsequent Asbestos Reassessment Reports (as required) to determine if the damaged materials are ACM or PACM.

Where damaged suspected asbestos-containing materials are not included in the existing Asbestos or Hazardous Building Materials Assessment Report(s), an assessment and/or sampling of these damaged materials must be conducted prior to repair of damage, unless materials are treated as ACM, and appropriate asbestos operations are followed.

If damaged materials contain asbestos and the regulated abatement procedure to be used is not detailed in the recommendations section of the existing Asbestos or Hazardous Building Assessment Materials report, HRCE will contact a Consultant to determine applicable asbestos abatement procedures and to develop a scope of work and performance specifications, as required.



HRCE will employ an Abatement Contractor to perform the remedial work required (removal of damaged ACM) and a Consultant to perform inspection and air monitoring as soon as practicable upon receiving the report/notice of damage.

## **10.0 NOTIFICATION**

### **10.1 Notification to Occupants**

HRCE will inform the JOSHC of any planned sampling, assessment or abatement work that is to be conducted within the applicable HRCE building(s) to ensure that all aspects of committee involvement are complied with.

Tenants must be notified of ACM in their leased space and in common areas of the building that they have access to and may disturb the ACM.

HRCE will notify all new tenants of the presence of ACM in the space they are occupying. Notification is to be completed prior to occupancy via the tenant lease agreement.

Upon institution of this AMP, and upon completion of asbestos assessments in a recently assessed or recently purchased property, where tenants have not been notified via their lease agreement, HRCE will notify occupants of the presence of asbestos in the space they are occupying.

### **10.2 Notification of Contractors**

Contractors that perform work which may disturb ACM within the Facility must be notified of the presence of asbestos (by providing the Asbestos or Hazardous Building Materials Assessment Report). Notification will be sent to these parties prior to project or maintenance work (e.g. janitorial, telephone, cable, etc.).

Contractors are to inform all sub-trades of the presence of all ACM or PACM identified in the work area and include this information in their respective contract agreement.

If suspect ACM not identified in the contract agreement is discovered during the course of the work, the Contractors are to stop all work which might disturb the suspect ACM and notify the appropriate HRCE personnel (i.e. Property Manager and/or Project Manager as applicable) or Constructor, as the case may be.

Prior to performing work, contractors must complete and return the Contractors Notification Package (Appendix B) and HRCE will maintain acknowledgement forms from these packages.

### **10.3 Notification of Maintenance Personnel**

HRCE will inform their own staff that will perform janitorial work, maintenance work or project work of the presence of asbestos in the Facility in which they are working. This will be completed by providing access

to the AMP and the most recent Asbestos Assessment or Hazardous Building Materials Assessment Report and training.

#### **10.4 Notification of Project Managers, Architects and Engineers**

HRCE will inform their project managers, architects and engineers of the presence of asbestos in the facility in which they are arranging for or planning work. This will be completed by providing access to the AMP, and the most recent Asbestos Assessment or Hazardous Building Materials Assessment Report.

#### **10.5 Notification of Authorities Having Jurisdiction**

Regulations in place at the time of this AMP development do not require notifications regarding asbestos-containing materials, except for:

- A major release of a hazardous substance (per Section 63 of the Occupational Health and Safety Act).

### **11.0 TRAINING REQUIREMENTS**

HRCE will employ a Consultant to ensure staff have received appropriate training.

HRCE employees which will not undertake asbestos abatement work or will not disturb asbestos may be provided training including the following:

- Health effects of asbestos exposure.
- Overview of the existence of applicable regulations and risk classification.
- Identification of common types of ACM (so as to not disturb them).
- Understanding a typical asbestos survey report.
- Their responsibilities under the policies in this AMP and Regulations.

HRCE employees will undertake asbestos abatement work shall receive training including the following:

- Health effects of asbestos exposure.
- Applicable regulations and risk classification.
- Identification of common types of ACM.
- Asbestos Work Procedures limited to Low Risk Operations.
- Understanding a typical asbestos survey report.
- Their responsibilities under the policies in this AMP and Regulations.

HRCE will maintain a record of training of their employees.



HRCE requires all service providers, contractors, etc. to provide appropriate training to all workers who perform work in HRCE Facilities which will, or potentially may, disturb ACM.

## **12.0 RESPONSE TO DISTURBANCE OF ASBESTOS, PROCEDURES AND CONTACTS**

HRCE staff and contractors may encounter fallen material that is suspected confirmed to contain asbestos or uncover a material that was previously unidentified and is suspected to contain asbestos. HRCE staff and contractors shall follow the protocol "Response to Disturbance of Asbestos" in Appendix C.

## **13.0 CLASSIFICATION OF ABATEMENT WORK**

Refer to Appendix F for the classification of asbestos work.

## **14.0 INSPECTION AND AIR MONITORING OF ASBESTOS WORK**

### **14.1 Visual Inspection**

The primary method of ensuring compliance when conducting asbestos removal or abatement work is visual inspection of the site and work practices by a Competent Worker or Asbestos Consultant.

### **14.2 Air Monitoring During Asbestos Work**

Per the "Asbestos in the Workplace: A Guide to the Removal of Friable Asbestos Containing Material" dated November 21, 2013:

- During the removal of friable asbestos-containing materials, where a Glove Bag is not used, and the air from the enclosure is exhausted inside the building, daily air sampling is required outside the enclosure.
- At the completion of removal of friable asbestos-containing materials, clearance air sampling must be performed prior to dismantling of the site isolation and engineering controls.

Air sampling above the regulatory requirements may be performed, as identified in the following sections.

Air monitoring and analysis during asbestos removal or abatement will be performed using Phase Contrast Microscopy (PCM) following the NIOSH 7400 method. PCM air samples must be submitted for analysis to a laboratory participating in a recognized quality control program such as the AIHA Asbestos Analysts Testing (AAT) Program or the Quality Control Program of the IRSST (the Institut de recherche Robert-Sauvé en santé et en sécurité du travail).



The PCM method does not characterize the types of fibres present. In cases where elevated fibre concentrations are identified, or the actual asbestos concentration is required, Transmission Electron Microscopy following the NIOSH 7402 method may be used.

The acceptable limit for PCM samples is as follows:

- as low as reasonably achievable (ALARA) outside the work area, and/or 0.01 fibres/cubic centimetre (f/cc).
- 0.01 f/cc for clearance air sampling.

Where TEM analysis is performed, the acceptable limits would be 0.01 asbestos fibres/cubic centimeter.

### **14.3 Low Risk – Inspection and Air Monitoring**

#### *14.3.1 Inspection*

The Project Manager, an assigned Competent Worker, or an Abatement Consultant, will inspect the work upon completion of work to ensure all ACM has been removed and the area adequately cleaned of dust and debris.

#### *14.3.2 Air Monitoring*

Air monitoring is not required; however, projects may be evaluated on a case by case basis, and air sampling performed where desired.

### **14.4 Moderate Risk and Glove Bag – Inspection and Air Monitoring**

#### *14.4.1 Inspection*

An Abatement Consultant will perform daily inspections throughout the abatement, and inspect the work upon completion of work to ensure all ACM has been removed and the area adequately cleaned of visible dust and debris. Upon completion of inspection and air monitoring (if required) by the Abatement Consultant, the site isolation may be dismantled.

The Project Manager or an assigned Competent Worker may inspect for final cleanliness after the site isolation has been dismantled.

#### *14.4.2 Air Monitoring*

PCM air monitoring will be conducted daily and at completion of abatement. Air monitoring will be conducted in occupied areas adjacent to the Asbestos Work Area or Glove Bag Work Area during contaminated work.





PCM air monitoring will be used for air clearance within the Asbestos Work Areas prior to re-occupancy. Where enclosures have been constructed to define the Asbestos Work Area, aggressive clearance air sampling will be performed.

## **14.5 High Risk – Inspection and Air Monitoring**

### *14.5.1 Inspection*

An Abatement Consultant will perform daily inspections throughout the abatement, and inspect the work upon completion of work to ensure all ACM has been removed and the area adequately cleaned of visible dust and debris. Upon completion of inspection and air monitoring by the Consultant, the site isolation may be dismantled.

The Project Manager or an assigned Competent Worker may inspect for final cleanliness after the site isolation has been dismantled.

### *14.5.2 Air Monitoring*

PCM air monitoring will be conducted on a daily basis.

Air monitoring will be conducted at the perimeter of the Asbestos Work Area (in occupied areas adjacent to the Work Area) to ensure no leakage from the enclosure.

Aggressive clearance air monitoring must be performed within the Asbestos Work Areas. Where PCM samples fail to meet the 0.01 f/cc criteria:

- Contractors may be requested to reclean the Asbestos Work Areas, or;
- Transmission Electron Microscopy (TEM) may be used.

Once the clearance air testing is satisfactory:

- a. The site isolation and engineered controls may be removed.
- b. A copy of the air sample report is to be:
  - a. provided and maintained on site by the Contractor, when abatement work is part of a project;
  - b. provided to the Owner, and a copy is kept on file;
  - c. provided to the JOHSC or the OHS representative, if any, for the workplace and for the building



## **15.0 RECORD KEEPING AND DOCUMENTATION RETENTION**

HRCE will keep the following records:

- Asbestos and / or Hazardous Building Materials Assessment Reports.
- Reassessment Reports.
- Tenant Notification Letters and dates posted or transmitted.
- Contractor Notification Packages and Acknowledgement Forms.
- Asbestos Project Work Records.
- Consultant Asbestos Abatement Completion Reports (including Daily Inspection and Air Monitoring Reports).
- Bulk sample analytical results from any sampling.
- Emergency response project records.

## **16.0 CONSULTANT QUALIFICATIONS**

Consultants employed by HRCE for asbestos work are to meet the following minimum requirements:

- Display competency in asbestos and hazardous materials consulting
- Maintain a health and safety management system that meets provincial standards.
- Maintain a Comprehensive General Liability Policy, with a minimum of \$5,000,000 in coverage.
- Maintain an Errors and Omissions Policy, with a minimum of \$5,000,000.
- Maintain an Automobile or Fleet Policy, and Non-Owned Automobile Policy with a minimum of \$2,000,000 in coverage.
- Maintain valid provincial worker's compensation coverage
- Accredited to analyze PCM air samples or use an accredited laboratory.

## **17.0 ASBESTOS ABATEMENT CONTRACTOR QUALIFICATIONS**

Contractors employed by HRCE are to meet the following minimum requirements:

- Maintain a Comprehensive General Liability Policy, provided on an "occurrence" basis, for a minimum of \$5,000,000 in coverage.
- Maintain an Asbestos Liability or Contractors Pollution Liability Policy, provided on an "occurrence" basis, with a minimum of \$5,000,000 in coverage.



- Maintain an Automobile or Fleet Policy, and Non-owned Automobile Policy with a minimum of \$2,000,000 in coverage.
- Maintain valid provincial worker's compensation coverage.
- All supervisors and workers performing abatement work are to be trained in the procedures being used, health effects of asbestos, applicable personal hygiene procedures, personal protection equipment used and respirator care.
- All workers are to be fit tested for respirators.
- Maintain a health and safety management system that meets provincial standards.

## **18.0 MAINTENANCE AND JANITORIAL WORK**

HRCE personnel and contracted janitorial staff will not:

- Sweep/vacuum in areas of damaged ACM.
- Sweep/vacuum/remove ACM debris.
- Disturb ACM.
- Remove ACM.

HRCE will employ an Abatement Contractor to perform these tasks, where required.

Alternately, HRCE will employ the appropriately trained trade contractor if there is other work to be completed that will disturb ACM (e.g. installing electrical equipment through an asbestos-containing plaster wall).

## **19.0 MAINTENANCE OF THE AMP**

This AMP is to be re-evaluated, and possibly revised, each time there is a substantial change to the any provincial regulation, or policy change. This AMP must be reviewed at least annually and updated as necessary.

## **20.0 ROLES AND RESPONSIBILITIES**

This section defines the roles and responsibilities of HRCE personnel instituting this AMP and provide effective management of ACM at their facilities.

The AMP Facilitator has the primary responsibility to administer the AMP and ensure it is instituted and effective.

The following table summarizes the responsibilities of HRCE personnel:



Reference No.	Responsibility/Task	AMP Section Reference	AMP Facilitator	Facility Manager	Project Team	Client Staff	Consultant
1	Maintenance of the AMP	19.0	X				
2	Employ a Consultant to prepare Asbestos Assessment Reports for any facility where one is not available/prepared	7.1	X	X			
3	Employ a Consultant to prepare Asbestos Assessment Reports in newly purchased facilities	7.1	X	X			
4	Employ a Consultant to reassess facilities where ACM has been confirmed	7.2	X	X			
5	Distribute Asbestos Assessment and Reassessment Reports	7.3	X				
6	Upon receiving assessment and reassessment reports, employ a contractor to perform remedial abatement work to remove damaged ACM. Use applicable provincial procedures	9.0	X	X			
7	As required, prior to performing asbestos work, engage a Consultant to perform inspection and air monitoring	14.0	X	X	X		
8	Ensure that an intrusive pre-construction assessment for ACM is performed prior to any renovation, alteration or demolition	8.0		X	X		X
9	Conduct bulk sampling of suspect materials that have not been sampled or presume the materials to be an ACM	8.0		X	X		X
10	Employ a Consultant (as applicable) to prepare a scope of work prior to large scale abatement as part of construction, renovation or demolition.	9.0		X	X		
11	Provide existing occupants at the outset of this AMP, or occupants in newly purchased facilities, a letter notifying the lessee of ACM within their space, and instruction not to disturb the ACM.	10.1	X	X			



Reference No.	Responsibility/Task	AMP Section Reference	AMP Facilitator	Facility Manager	Project Team	Client Staff	Consultant
12	Ensure all Project Managers, Architects, Engineers and others arranging for, or planning, work in the Facility are provided with the most current asbestos (re)assessment report.	10.4	X	X	X	X	
13	Provide contractors working in HRCE facilities the most current asbestos information and notification via the Contractor Information Package	10.2		X	X	X	
14	Employ a Consultant to train HRCE personnel	11.0	X				
15	Response to an uncontrolled spill or disturbance of asbestos following emergency procedures in Appendix C	12.0	X	X	X	X	
16	Keep all records as required by this program (excepting contractor package acknowledgement)	15.0	X				
17	Keep records of contractor package acknowledgement for each project (contractors to submit via email and keep record)	15.0	X	X	X		
18	Ensure Consultants meet the required qualifications	16.0	X	X	X		
19	Ensure contractors meet the required qualifications	17.0		X	X		X
20	Ensure maintenance and janitorial work is performed so that it does not disturb ACM and unnecessary disturbance of ACM is avoided	18.0				X	
21	Report any unplanned disturbance to ACM or damage to ACM	12.0	X	X	X	X	

## GLOSSARY

<b>Amended Water</b>	Water with wetting agent added for purpose of reducing surface tension to allow thorough wetting of ACM.
<b>Asbestos-Containing Material(s) (ACM)</b>	Material identified by an appropriate laboratory analytical method (e.g. EPA 600/R-93/116, NIOSH 9000, or NIOSH 9002) to contain at least 0.5% of any type of asbestos, and vermiculite that is identified to contain any amount of asbestos using EPA method 600/R-04/004 if other analytical methods do not identify the presence of asbestos.
<b>Asbestos</b>	Any and all types of asbestos (generally considered as Actinolite; Amosite; Anthophyllite; Chrysotile; Crocidolite; Tremolite, and Libby Amphibole).
<b>Asbestos Work Area</b>	Area where work is being performed which will or may disturb ACM including overspray and fallen material or settled dust that may contain asbestos.
<b>Competent Worker</b>	In relation to specific work, means a worker who, <ul style="list-style-type: none"> <li>• qualified because of that person's knowledge, training and experience to do the assigned work in a manner that will ensure the health and safety of every person in the workplace; and</li> <li>• knowledgeable about the provisions of the Occupational Health and Safety Act and regulations that apply to the assigned work, and the potential or actual danger to health or safety associated with the assigned work.</li> </ul>
<b>Encapsulation</b>	The application of a liquid sealant to asbestos-containing materials; the sealant may penetrate and harden the material (penetrants) or cover the surface with a protective coating (bridging sealants). Also called encasement. This is generally not advisable.
<b>Enclosure</b>	Enclosure of ACM means the construction of solid enclosure (walls, ceiling, bulkhead etc.) around ACM, or  An Enclosure means the site isolation including hoarding walls, polyethylene sheeting and seals that isolates an Asbestos Work Area.
<b>Friable Material</b>	Material that: when dry, can be crumbled, pulverized or powdered by hand pressure, or is crumbled, pulverized or powdered. Includes previously non-friable asbestos-containing material that has become damaged to the extent that it may be crumbled, pulverized, or reduced to powder by hand pressure.
<b>Glove Bag Removal</b>	A method of removing friable insulation from a piping system using a prefabricated bag which isolates the section of insulation being removed.
<b>HEPA Filter</b>	High Efficiency Particulate Aerosol filter that is at least 99.97 percent efficient in collecting a 0.3 micrometre aerosol.
<b>HEPA Filtered Negative Pressure Unit:</b>	Portable air handling unit which extracts air directly from the Asbestos Work Area and discharges the air to the exterior of the building after passing through a HEPA filter.

<b>JOHSC</b>	Joint Occupational Health and Safety Committee.
<b>Phase Contrast Microscopy (PCM)</b>	A method which uses an optical microscope to determine airborne fibres, normally in an occupational setting. Results are presented as a number of fibres per cubic centimetre (f/cc). The method of analysis is based on the US National Institute for Occupational Safety and Health (NIOSH) Manual of Analytical Methods, Method 7400, issue 2, Asbestos and Other Fibres by PCM (August 15, 1994).
<b>Transmission Electron Microscopy (TEM)</b>	A method which uses an electron microscope to determine airborne asbestos fibres. Results are presented in fibres per cubic centimetre of air (f/cc). The method of analysis is The U.S. National Institute of Occupational Safety and Health (NIOSH) Manual of Analytical Methods, Method 7402, Issue 2: Asbestos by TEM (Aug 15, 1994).
<b>Low, Moderate and High Procedures</b>	Work classifications and procedures defined under provincial health and safety regulations.
<b>US EPA</b>	United States Environmental Protection Agency.



## **APPENDIX A**

### **Letter of Notification to Tenants Regarding Asbestos in Premises**



## **LETTER OF NOTIFICATION TO TENANTS REGARDING ASBESTOS IN PREMISES**

The following wording should be utilized in communicating the presence of asbestos to a tenant or lessee.

To Occupant

This letter is being provided as notification of the presence of asbestos within the building at [building name and/or address]. HRCE has recently had an asbestos assessment performed of the entire building and has established a program to manage all asbestos in a safe and prudent fashion.

Our Consultant inspected all areas of the building and made recommendations, where necessary, for removal or repair of asbestos. All such work [has been completed/will be completed shortly] with appropriate inspection and supervision. All asbestos remaining is subject to the Asbestos Management Program (AMP) as required by Provincial Regulations and our own due diligence. A copy of the assessment report and the AMP are available for review at the [Office].

The continuing presence of the remaining asbestos does not pose a risk of exposure to occupants as long as it remains under this management program. Staff have been given appropriate training and are aware of its presence.

If you have any concerns, please contact the AMP Facilitator at [phone number].

**APPENDIX B**  
**Contractor Notification and Acknowledgement Form**



## **CONTRACTOR NOTIFICATION AND ACKNOWLEDGEMENT FORM**

HRCE has identified the presence of various asbestos-containing materials (ACM) within [HRCE Facility name] located at [address]. An asbestos inventory report showing the locations and amounts of these materials is available for viewing from the AMP Facilitator.

The disturbance of ACM is to be undertaken by Asbestos Abatement Contractors that maintain the appropriate insurance coverage and meet the requirements set out in the Asbestos Management Program (AMP).

The following activities may disturb asbestos materials. The AMP Facilitator must be notified of the following:

- Any removal, repair or disturbance of any ACM.
- Ceiling entry which may disturb sprayed-fireproofing or pipe insulation, or debris on the ceiling.
- Any other operation which may generate airborne asbestos from friable asbestos.
- The disturbance of any material excluded from the Facility's asbestos assessment report.
- Discovery of any material excluded from the survey.

### **Declaration by Contractor**

The Contractor and their sub-contractors shall follow the work procedures as specified by HRCE's AMP and shall not disturb ACM without using proper procedures in accordance the provincial regulations and guidelines, and this AMP, including prior notification to the AMP Facilitator. All asbestos waste will be packaged, transported and disposed of in accordance with applicable regulations.

### **Notification of Asbestos Abatement**

All Contractors who perform work at facilities where ACM is present must be notified of the presence of the ACM if their work may bring them into contact, or close proximity to, the ACM. This notification may include janitorial, security, telephone, computer cabling suppliers, mechanical maintenance contractors, etc.

All contractors who perform work, including telephone, computer cabling suppliers, electrical and mechanical contractors, etc., at HRCE facilities, where asbestos-containing spray-applied insulation is present above ceilings are to be notified that Moderate Risk Procedures may be required for any entry to, or work within the ceiling space, determined by condition of material, scope of work, and potential for disturbance of the material.



Contractors are to:

- Notify municipal Landfill site as per provincial regulations.
- Inform all sub trades of the presence of ACM identified in the contract documents.
- If suspect ACM not identified in the contract documents are discovered during the course of the work, the Contractors are to stop all work which might disturb the suspect ACM.  
The contractor is to notify the Constructor (if applicable), HRCE and the JOHSC or OHS Representative for the workplace.

**By signing below, the Contractor acknowledges they have received, read and understand the requirements of HRCE's AMP.**

Building (Address): \_\_\_\_\_

Project: \_\_\_\_\_

Contractor: \_\_\_\_\_

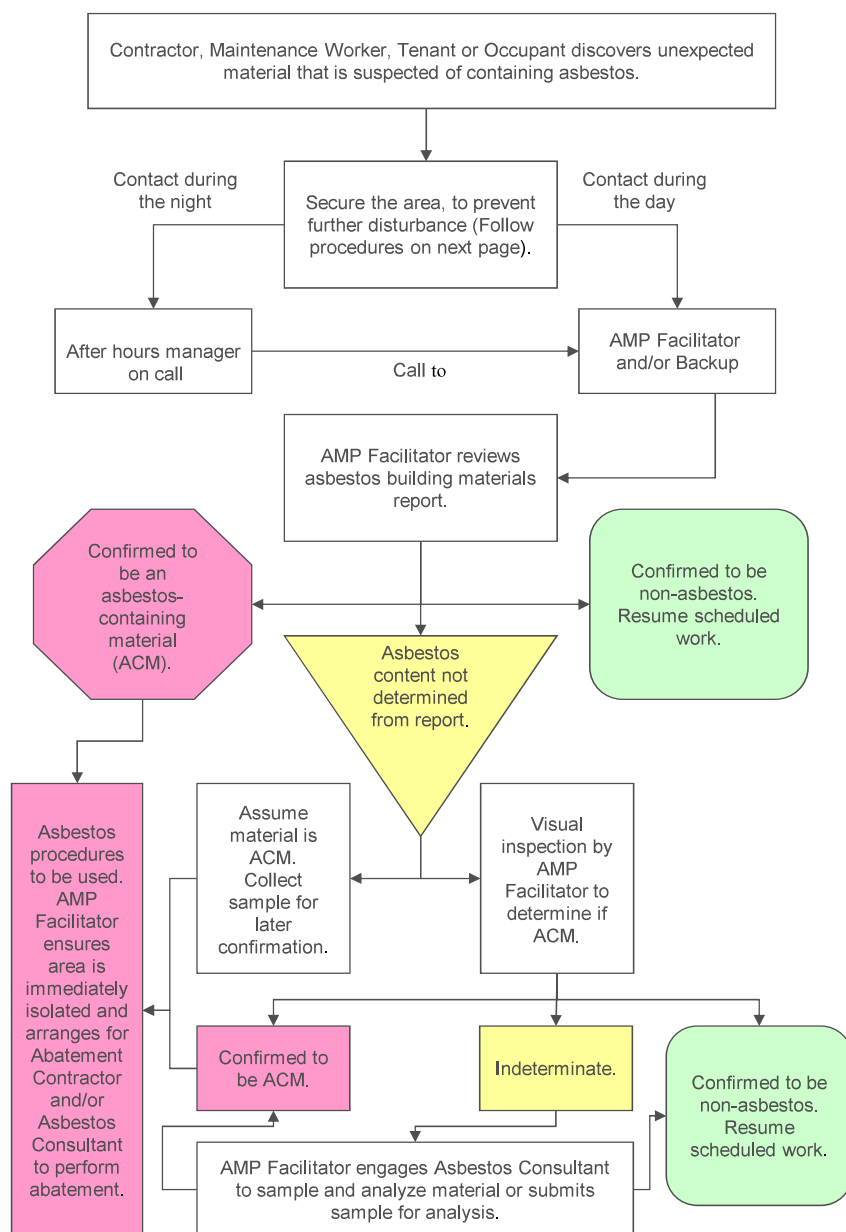
Name and Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**APPENDIX C**  
**Response to Disturbance of Asbestos**

## EMERGENCY RESPONSES AND NOTIFICATION IN THE EVENT OF ASBESTOS-SUSPECT MATERIAL DISCOVERED DURING MAINTENANCE OR CONTRACTED WORK OR REPORTED BY OCCUPANT/TENANT



## **EMERGENCY REACTION IN THE EVENT OF SUSPECTED ASBESTOS SPILL**

If asbestos-containing materials or suspect materials have been disturbed improperly, follow these directions:

- Do not clean up, cover, move or contact asbestos-containing or suspect material. Cease work in the area and do not resume work that risks disturbing the suspect material. Workers are to leave the area and the HRCE AMP Facilitator is to be notified immediately.
- Isolate the area by locking doors if this can be done without blocking emergency or fire routes.
- If it is not possible to safely isolate the area, the AMP Facilitator will notify appropriate persons not to enter the area. If possible, post security to prevent unnecessary access.
- The AMP Facilitator will arrange to shut down ventilation systems to the affected area including supply, return and exhaust.
- The AMP Facilitator will determine if asbestos is contained in the debris. If material cannot be confirmed asbestos-free by records or appearance, follow procedures below.
- The AMP Facilitator will contact an Asbestos Consultant to sample the material or identify the material visually.
- If the material is confirmed or assumed to contain asbestos, the AMP Facilitator is to contract an Asbestos Abatement Contractor to clean-up contaminated area.
- At their option, the AMP Facilitator may decide to employ an Asbestos Consultant to perform air monitoring and consulting, prior to, during, and/or after clean-up to determine airborne fibre concentrations prior to, and during, the work and to ensure airborne fibre levels are within acceptable limits to re-occupy the space. The AMP Facilitator must notify the Joint Occupational Health and Safety Committee of the results of air monitoring or testing.
- Enable ventilation systems after air monitoring or clean up of ACM.



**APPENDIX D**  
**Asbestos Project Work Record**



## ASBESTOS PROJECT WORK RECORD

Building: \_\_\_\_\_  
(Building Address or Name)

Date: \_\_\_\_\_  
(Today's Date)

Project Number: \_\_\_\_\_  
(HRCE Project Number or Purchase Order Number)

Project Type:

- ☐ Emergency      ☐ Planned Project  
☐ Low Risk      ☐ Moderate Risk      ☐ Glove Bag      ☐ High Risk

Area of Work: \_\_\_\_\_  
(Room Name, Number, Floor etc.)

Description: \_\_\_\_\_  
(Brief description of abatement, material, system, etc.)

Project Start Date: \_\_\_\_\_  
(Mobilization date)

Project End Date: \_\_\_\_\_  
(After dismantling/clean-up)

Contractor: \_\_\_\_\_  
(Contracting firm or employee)

Telephone: \_\_\_\_\_  
(Contractor or employee telephone)

Consultant: \_\_\_\_\_  
(Name of consulting firm/contact if any)

Telephone: \_\_\_\_\_  
(Consultant telephone)

Pre-Construction Assessment for asbestos-containing material (ACM) and other hazardous building materials (e.g. lead, mercury, silica, and PCBs) performed and report provided to Contractor?

☐ Yes      ☐ No (Explain) \_\_\_\_\_

Air Sampling during abatement?

☐ Yes      ☐ No



Clearance Air Monitoring performed after abatement?

☐ Yes ☐ No

Air Monitoring results to Joint Occupational Health and Safety Committee (if applicable)?

☐ Yes ☐ No

Asbestos Survey Updated to Reflect Changes in ACM Inventory?

☐ Yes ☐ No, no changes to ACM inventory resulted

☐ No, to forward copies to Consultant prior to next re-assessment

Asbestos waste removed from site and disposed of?

☐ Yes, ACM waste documentation attached ☐ No, ACM waste not generated

☐ No, ACM waste remains on site for later disposal

Append the following information relating to asbestos abatement to this work record, if applicable, and file Asbestos Work Record and attachments with Asbestos Management Program. Check where attached.

Submittals including Insurance ☐ Yes ☐ No

Waste Documentation ☐ Yes ☐ No

Specifications, Change Orders, Drawings ☐ Yes ☐ No

Consultant Inspection Reports ☐ Yes ☐ No

Air Monitoring Results ☐ Yes ☐ No

Analytical Certificates ☐ Yes ☐ No

Provincial Regulatory reports ☐ Yes ☐ No

Additional Correspondence ☐ Yes ☐ No

**APPENDIX E**  
**Reassessment of ACM**



## REASSESSMENT OF ACM

Upon completion of Reassessment, fill out the following form in its entirety and file with this facility's Asbestos Management Program and Assessment Report.

Use of this form is not necessary if an Asbestos Consultant has produced a detailed Reassessment Report which identified the damaged ACM identified in the building during the Reassessment (along with the associated locations, quantities, accessibility, and any required abatement recommendations).

Building: \_\_\_\_\_

Dates of Reassessment: \_\_\_\_\_

Name of person completing reassessment: \_\_\_\_\_

Signature of surveyor: \_\_\_\_\_

Others present: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

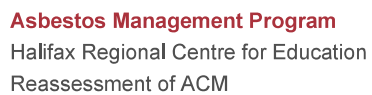
### Summary of Findings:

(If no deterioration was noted, indicate here): \_\_\_\_\_.

(Specifically indicate only areas requiring action in the table below).

(Attached photographs to this form as required).

Room or Location	Material	Comments Regarding Condition: Disturbed/Undisturbed (if other, explain)	Action Required

[illegible]

Page \_\_\_\_\_ of \_\_\_\_\_

**APPENDIX F**  
**Classifications of Abatement Work**

## **CLASSIFICATIONS OF ABATEMENT WORK**

Nova Scotia regulations/guidelines do not specifically classify asbestos work procedures, and only prescribe removal of friable materials including the use of Glove Bags.

In the absence of defined work classifications, the following are the generally accepting work classifications:

### **Low Risk**

- installation or removal of ACM ceiling tiles (less than 7.5 m<sup>2</sup>) without damage\*.
- installation or removal of non-friable ACM, other than ceiling tiles, without damage\*.
- damaging\* non-friable ACM that is wetted and where the work is done using non-powered hand-held tools.

### **Moderate Risk**

- removal of less than one square metre of drywall where ACM joint-filling compounds were used.
- enclosure of friable ACM.
- application of tape, a sealant or other covering to pipe or boiler insulation that is ACM.
- installing or removing ACM ceiling tiles that cover an area of 7.5 m<sup>2</sup> or more if the work is done without damaging the tiles.
- damaging non-friable ACM using non-powered hand-held tools if the material is not wetted.
- cleaning or removing filters used in air handling equipment in a building that has sprayed ACM insulation.
- glove bag removals of ACM insulation.
- Work that may expose a worker to asbestos and that is not classified as a Low Risk or High Risk operation, is also to be classified as a Moderate Risk operation.

### **High Risk**

- removal or disturbance of friable ACM.
- the removal of all or part of a false ceiling to access a work area, if ACM is likely to be lying on the surface of the false ceiling.
- spray application of a sealant to friable ACM.





- cleaning or removal of air-handling equipment, including rigid ducting but not including filters, in a building that has sprayed ACM insulation.
- repair, alteration or demolition of a kiln or furnace made, in part, of refractory materials that are ACM.
- Use of power tools not attached to dust-collecting devices with HEPA filters on non-friable ACM.

\* **damage** includes breakage, cutting, abrading, grinding, sanding, and vibration.

**APPENDIX G**  
**Site Specific Report(s)**

Facility Specific Contacts				
Contact Name	Title	Address	Phone Number	Email Address

FINISHES UPGRADES

HERRING COVE JUNIOR HIGH SCHOOL

ISSUED FOR TENDER - MAY 2025

TENDER#: RFP 4267

Architectural Drawing List	
Sheet Number	Sheet Name
A000	COVER SHEET
A001	SITE PLAN
A100	FLOOR PLAN - LOWER LEVEL PLAN
A101	FLOOR PLAN - MAIN FLOOR PLAN
A102	FLOOR PLAN - UPPER LEVEL PLAN
A200	FLOORING PLANS
A201	FLOORING PLANS
A300	REFLECTED CEILING PLAN - LOWER LEVEL PLAN
A301	REFLECTED CEILING PLAN - MAIN LEVEL PLAN
A302	REFLECTED CEILING PLAN - UPPER LEVEL PLAN
A400	ACCESSIBLE ENTRANCE UPGRADES

Electrical Drawing List	
Sheet Number	Sheet Name
E-001	ELECTRICAL LEGEND, SPECIFICATIONS, AND DETAILS
E-101	LOWER LEVEL PLANS ELECTRICAL
E-102	MAIN LEVEL PLANS ELECTRICAL
E-103	UPPER LEVEL PLANS ELECTRICAL

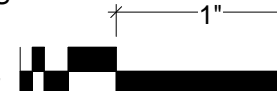


KEY PLAN

GENERAL NOTES

THIS DRAWING IS THE PROPERTY OF SP DUMARESQ ARCHITECT LTD. AND MAY NOT BE USED OR REPRODUCED WITHOUT EXPRESSED WRITTEN APPROVAL. THE CONTRACTOR SHALL VERIFY ALL LEVELS AND DIMENSIONS ON SITE AND REPORT ALL DISCREPANCIES TO THE ARCHITECT BEFORE BEGINNING WORK. DO NOT SCALE DRAWING. USE FIGURED DIMENSIONS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CHANGES MADE TO THE DRAWINGS WITHOUT THE ARCHITECT'S APPROVAL. READ THIS DRAWING IN CONJUNCTION WITH CONTRACT DRAWINGS AND SPECIFICATIONS.

IF DIMENSION DOES NOT MEASURE 1" DRAWING IS NOT PRINTED TO SCALE



DATE	#	ISSUE
MAY 12, 2025	1	FOR TENDER

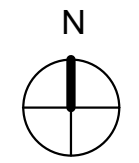


SCALE:
DRAWN BY: STAFF
REVIEWED BY:
DATE: MAY 12, 2025
PROJECT TITLE
HERRING COVE JUNIOR HIGH SCHOOL FINISHES UPGRADES
Project Number
SHEET TITLE
COVER SHEET

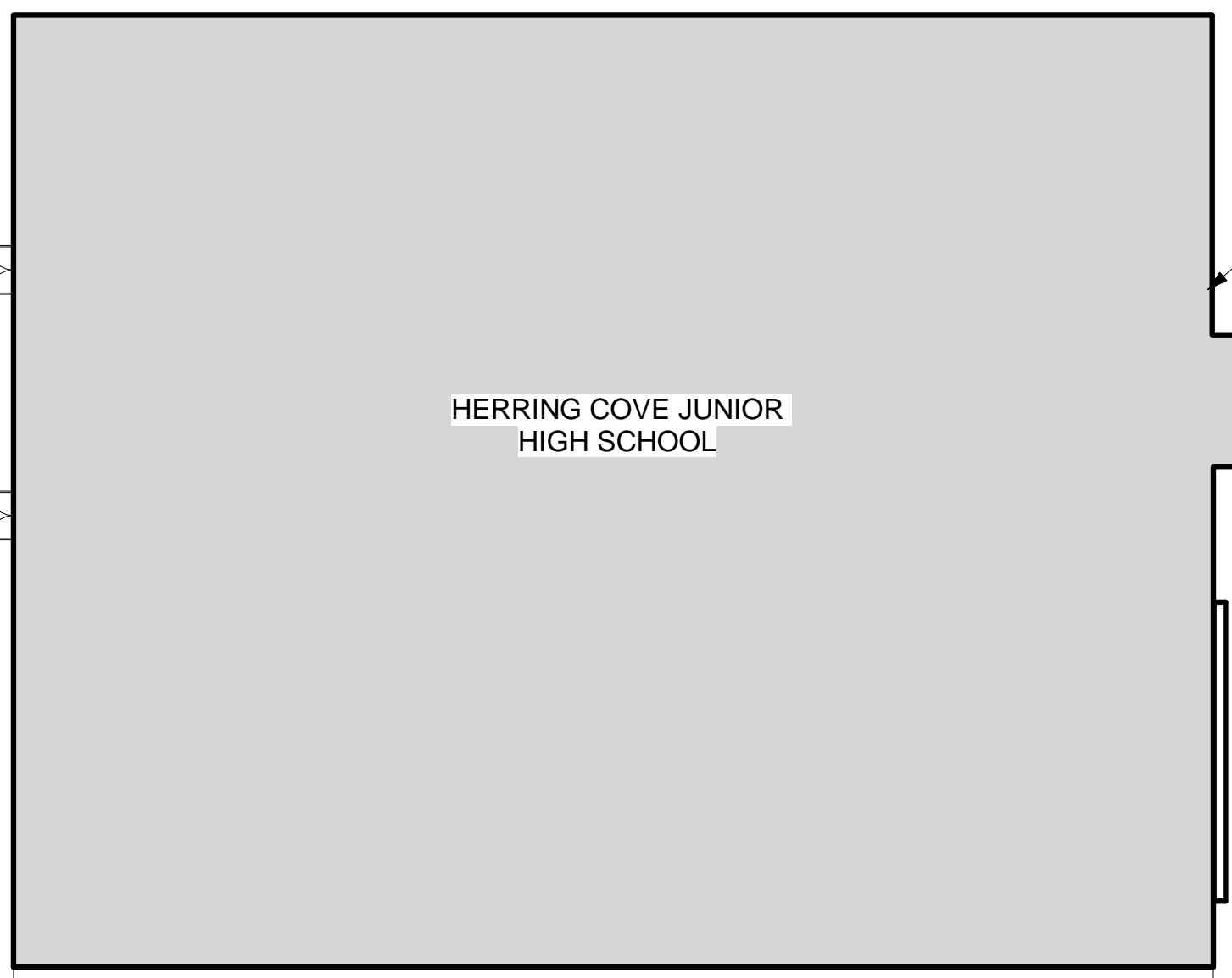
A000



- SITE NOTES:
- CONTRACTOR TO PROVIDE ALL PRECAUTIONS NECESSARY TO CONTAIN DUST AND DEBRIS DURING THE WORK.
  - PROVIDE ADEQUATE EXTERIOR HOARDING AND FENCING AS REQUIRED TO PROTECT OCCUPANTS AND PROPERTY, VEHICLES, ETC.



DRIVEWAY



LOCATION OF NEW ACCESSIBLE ENTRANCE (SEE A400)

MAIN ENTRANCE

UP

EXISTING PARKING LOT



KEY PLAN

**GENERAL NOTES**

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IF DIMENSION DOES NOT MEASURE 1" DRAWING IS NOT PRINTED TO SCALE

DATE	#	ISSUE
MAY 12, 2025	1	FOR TENDER



SCALE: 1" = 20'-0"

DRAWN BY: Author

REVIEWED BY:

DATE: MAY 12, 2025

PROJECT TITLE

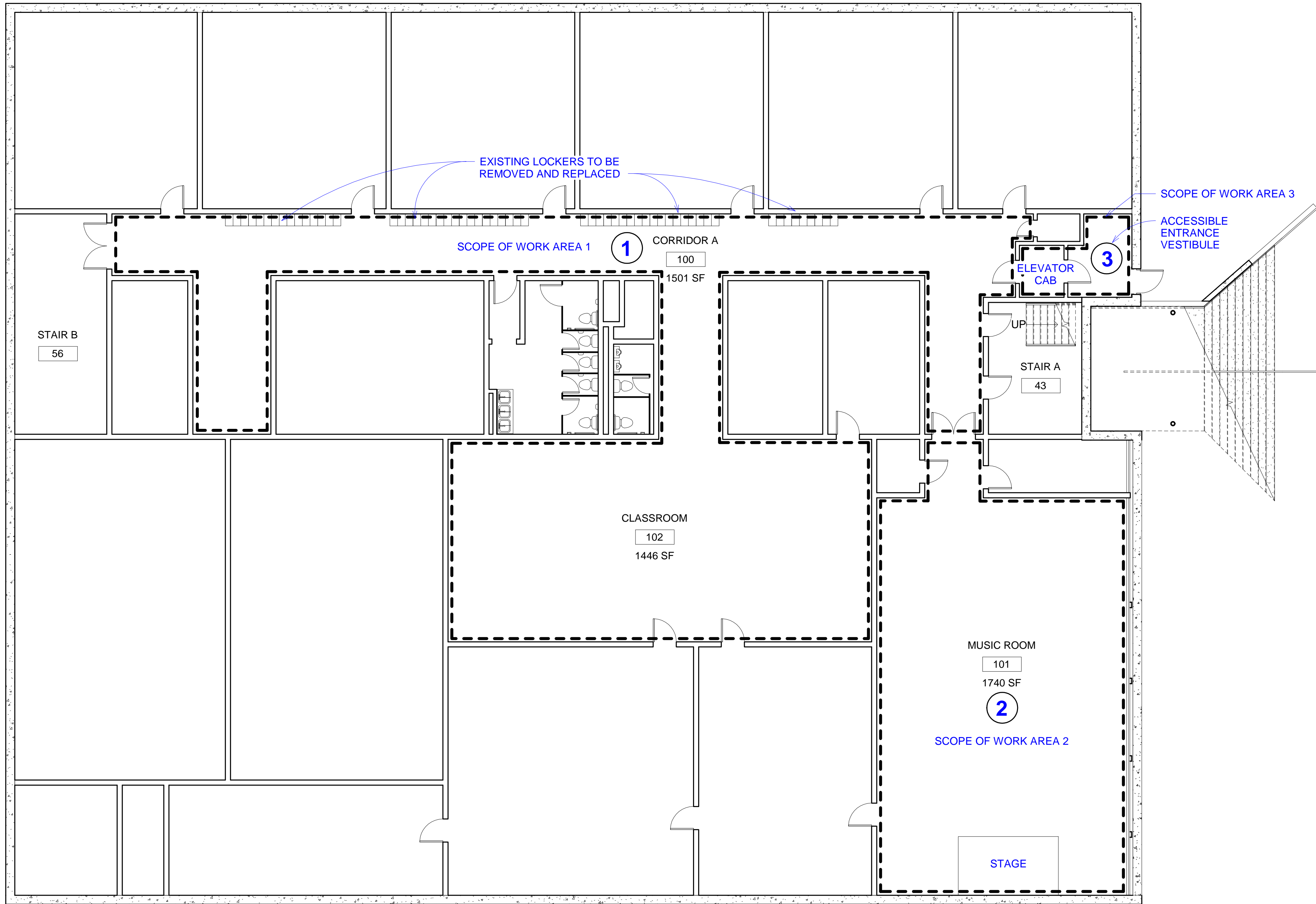
HERRING COVE JUNIOR HIGH SCHOOL FINISHES UPGRADES

Project Number

SHEET TITLE

SITE PLAN

A001



**1 LOWER LEVEL KEYPLAN**  
A400 1/8" = 1'-0"

- NOTES: SCOPE AREA 1 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)**
- REMOVE EXISTING LOCKERS. DELIVER AND INSTALL NEW OWNER SUPPLIED LOCKERS (LOCATED AT GAETZ BROOK JH GYMNASIUM, MAIN LEVEL). INSTALL OWNER SUPPLIED NUMBER PLATES TO ALL LOCKERS. QTY: 82 UNITS, 4 LOCKERS PER UNIT.

- PROVIDE NEW WALL PAINT (PREP SURFACE AREA FOR NEW PAINT AS REQUIRED). MINIMUM 1 COAT OF PRIMER AND 2 COATS OF PAINT.
- PROVIDE NEW COAT OF PAINT ON DOORS AND FRAMES (PREP SURFACE AREA FOR NEW PAINT AS REQUIRED). MINIMUM 1 COAT OF PRIMER AND 2 COATS OF PAINT.
- STRIP WAX FROM EXISTING VCT FLOORING AND REPLACE WITH NEW COAT OF SEALER AND COAT OF WAX FINISH.
- REMOVE RUBBER BASE AND REPLACE WITH NEW PAINTED HARDWOOD BASE WHERE REQUIRED. EXISTING HARDWOOD BASE TO REMAIN AND RECEIVE MATCHING COAT OF PAINT.
- REMOVE EXISTING T-BAR CEILINGS AND REPLACE WITH NEW (SEE REF. CEILING PLANS).
- REMOVE AND REPLACE EXISTING LIGHTING AS WELL AS OTHER ELECTRICAL UPGRADES (SEE ELEC.). PROVIDE FIRE-RATED TROUGH COVER AT EACH LED FIXTURE (SEE DRAWING 2 ON A300).

- NOTES: SCOPE AREA 2 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)**
- REMOVE RUBBER BASE AND REPLACE WITH NEW PAINTED HARDWOOD BASE WHERE REQUIRED. EXISTING HARDWOOD BASE TO REMAIN AND RECEIVE MATCHING COAT OF PAINT.
  - REMOVE EXISTING FLOORING AND REPLACE WITH NEW VCT FLOORING.
  - PROVIDE COAT OF SEALER AND COAT OF WAX FINISH TO NEW VCT FLOORING.
  - PROVIDE NEW WALL PAINT AT LIBRARY RECEPTION (PREP SURFACE AREA FOR NEW PAINT AS REQUIRED). MINIMUM 1 COAT OF PRIMER AND 2 COATS OF PAINT.

- NOTES: SCOPE AREA 3 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)**
- PROVIDE NEW WALL PAINT (PREP SURFACE AREA FOR NEW PAINT AS REQUIRED). MINIMUM 1 COAT OF PRIMER AND 2 COATS OF PAINT.
  - REMOVE EXISTING DAMAGED HARD TILE FLOORING AS REQUIRED AND REPLACE WITH NEW TO MATCH.
  - PROVIDE NEW HARD TILE BASE
  - PROVIDE NEW PVC PROTECTION BOARD AND CORNER GUARDS IN INTERIOR OF VESTIBULE.
  - REMOVE EXISTING FLOORING IN ELEVATOR CAB AND REPLACE WITH NEW VCT FLOORING.
  - PROVIDE COAT OF SEALER AND COAT OF WAX FINISH TO NEW VCT FLOORING IN ELEVATOR CAB

- NOTES: SCOPE AREA 4 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)**
- REMOVE EXISTING CEILING AND REPLACE WITH NEW (SEE REF. CEILING PLANS).
  - REMOVE AND REPLACE EXISTING LIGHTING AS WELL AS OTHER ELECTRICAL UPGRADES (SEE ELEC. DRAWINGS).
  - PAINT SKYLIGHT WELLS.

ROOM FINISH SCHEDULE				
Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish
CAFETERIA	VCT	HW	-	-
CLASSROOM	-	HW	-	ACT
CORRIDOR A	-	HW	PT	ACT
CORRIDOR B	-	HW	PT	ACT
CORRIDOR C	-	HW	PT	ACT
ELEVATOR	VCT	RUBBER	-	-
LIBRARY	VCT	HW	-	-
MUSIC ROOM	VCT	HW	-	-
STAIR A	-	-	-	ACT
STAIR B	-	-	-	ACT
TEACHERS WR	HT	HT	PT	-
VESTIBULE	HT	HT	PVC/PT	-

VCT = VINYL COMPOSITE TILE  
HT = HARD TILE  
HW = PAINTED HARDWOOD  
RUBBER = RUBBER BASE  
  
PT = PAINTED  
PVC = POLYVINYL CHLORIDE  
ACT = ACOUSTIC CEILING TILE



KEY PLAN

**GENERAL NOTES**  
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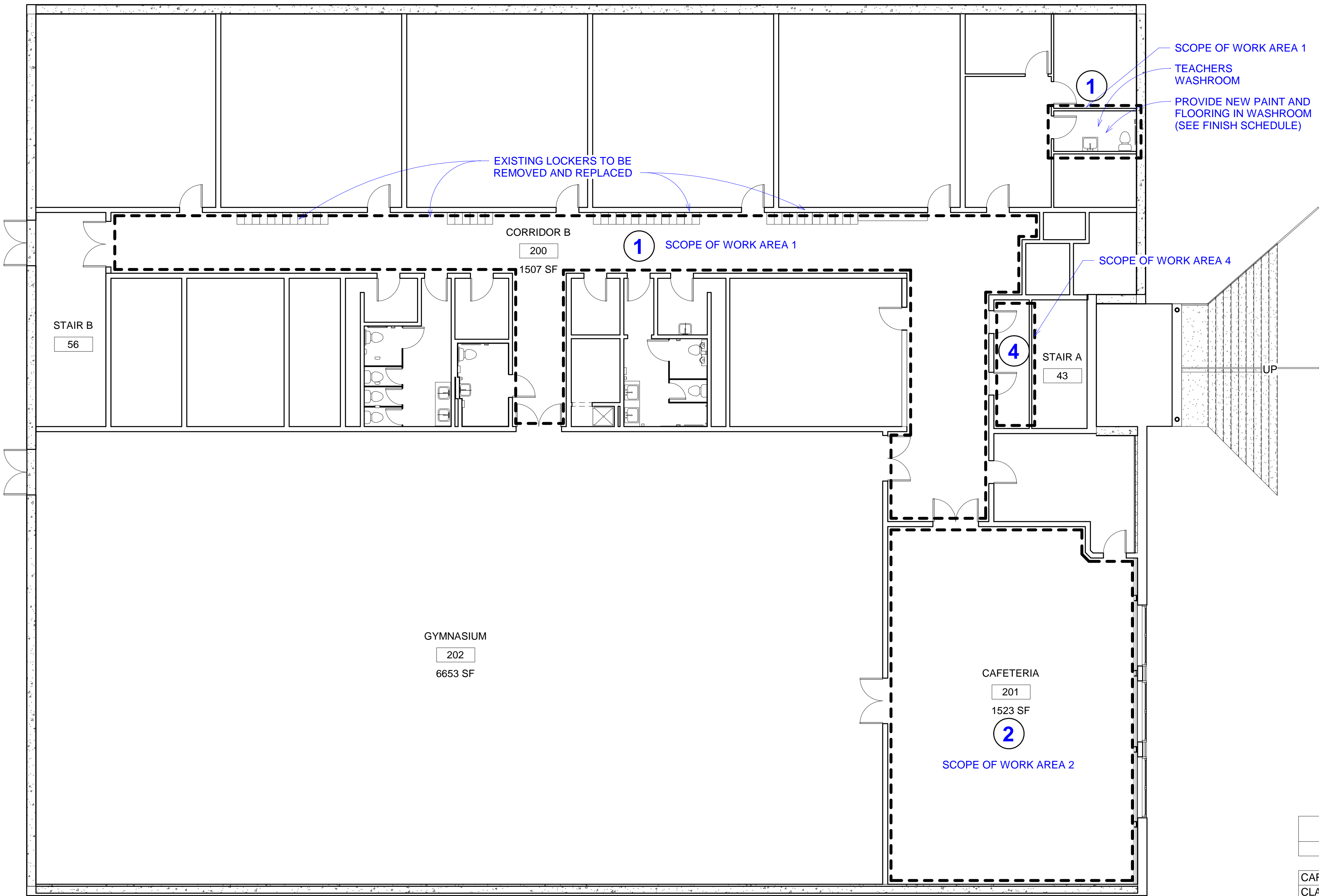
SCALE: As indicated  
DRAWN BY: FB  
REVIEWED BY:  
DATE: MAY 12, 2025

PROJECT TITLE  
**HERRING COVE  
JUNIOR HIGH  
SCHOOL FINISHES  
UPGRADES**

Project Number  
SHEET TITLE  
**FLOOR PLAN -  
LOWER LEVEL PLAN**

A100





1 MAIN LEVEL KEYPLAN  
1/8" = 1'-0"

- NOTES: SCOPE AREA 1 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)**
- REMOVE EXISTING LOCKERS. DELIVER AND INSTALL NEW OWNER SUPPLIED LOCKERS (LOCATED AT GAETZ BROOK JH GYMNASIUM, MAIN LEVEL). INSTALL OWNER SUPPLIED NUMBER PLATES TO ALL LOCKERS.  
QTY: 82 UNITS, 4 LOCKERS PER UNIT.
  - PROVIDE NEW WALL PAINT (PREP SURFACE AREA FOR NEW PAINT AS REQUIRED). MINIMUM 1 COAT OF PRIMER AND 2 COATS OF PAINT.
  - PROVIDE NEW COAT OF PAINT ON DOORS AND FRAMES (PREP SURFACE AREA FOR NEW PAINT AS REQUIRED). MINIMUM 1 COAT OF PRIMER AND 2 COATS OF PAINT.
  - STRIP WAX FROM EXISTING VCT FLOORING AND REPLACE WITH NEW COAT OF SEALER AND COAT OF WAX FINISH.
  - REMOVE RUBBER BASE AND REPLACE WITH NEW PAINTED HARDWOOD BASE WHERE REQUIRED. EXISTING HARDWOOD BASE TO REMAIN AND RECEIVE MATCHING COAT OF PAINT.
  - REMOVE EXISTING T-BAR CEILINGS AND REPLACE WITH NEW (SEE REF. CEILING PLANS).
  - REMOVE AND REPLACE EXISTING LIGHTING AS WELL AS OTHER ELECTRICAL UPGRADES (SEE ELEC.). PROVIDE FIRE-RATED TROUGH COVER AT EACH LED FIXTURE (SEE DRAWING 2 ON A300).

- NOTES: SCOPE AREA 2 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)**
- REMOVE RUBBER BASE AND REPLACE WITH NEW PAINTED HARDWOOD BASE WHERE REQUIRED. EXISTING HARDWOOD BASE TO REMAIN AND RECEIVE MATCHING COAT OF PAINT.
  - REMOVE EXISTING FLOORING AND REPLACE WITH NEW VCT FLOORING.
  - PROVIDE COAT OF SEALER AND COAT OF WAX FINISH TO NEW VCT FLOORING.
  - PROVIDE NEW WALL PAINT AT LIBRARY RECEPTION (PREP SURFACE AREA FOR NEW PAINT AS REQUIRED). MINIMUM 1 COAT OF PRIMER AND 2 COATS OF PAINT.

- NOTES: SCOPE AREA 3 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)**
- PROVIDE NEW WALL PAINT (PREP SURFACE AREA FOR NEW PAINT AS REQUIRED). MINIMUM 1 COAT OF PRIMER AND 2 COATS OF PAINT.
  - REMOVE EXISTING DAMAGED HARD TILE FLOORING AS REQUIRED AND REPLACE WITH NEW TO MATCH.
  - PROVIDE NEW HARD TILE BASE
  - PROVIDE NEW PVC PROTECTION BOARD AND CORNER GUARDS IN INTERIOR OF VESTIBULE.
  - REMOVE EXISTING FLOORING IN ELEVATOR CAB AND REPLACE WITH NEW VCT FLOORING.
  - PROVIDE COAT OF SEALER AND COAT OF WAX FINISH TO NEW VCT FLOORING IN ELEVATOR CAB

- NOTES: SCOPE AREA 4 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)**
- REMOVE EXISTING CEILING AND REPLACE WITH NEW (SEE REF. CEILING PLANS).
  - REMOVE AND REPLACE EXISTING LIGHTING AS WELL AS OTHER ELECTRICAL UPGRADES (SEE ELEC. DRAWINGS).
  - PAINT SKYLIGHT WELLS.

ROOM FINISH SCHEDULE				
Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish
CAFETERIA	VCT	HW	-	-
CLASSROOM	-	HW	-	ACT
CORRIDOR A	-	HW	PT	ACT
CORRIDOR B	-	HW	PT	ACT
CORRIDOR C	-	HW	PT	ACT
ELEVATOR	VCT	RUBBER	-	-
LIBRARY	VCT	HW	-	-
MUSIC ROOM	VCT	HW	-	-
STAIR A	-	-	-	ACT
STAIR B	-	-	-	ACT
TEACHERS WR	HT	HT	PT	-
VESTIBULE	HT	HT	PVC/PT	-

- VCT = VINYL COMPOSITE TILE  
HT = HARD TILE  
HW = PAINTED HARDWOOD  
RUBBER = RUBBER BASE
- PT = PAINTED  
PVC = POLYVINYL CHLORIDE  
ACT = ACOUSTIC CEILING TILE



KEY PLAN

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DATE: MAY 12, 2025

PROJECT TITLE  
HERRING COVE  
JUNIOR HIGH  
SCHOOL FINISHES  
UPGRADES

Project Number  
SHEET TITLE  
FLOOR PLAN - MAIN  
FLOOR PLAN



KEY PLAN

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REVIEWED BY:

DATE: MAY 12, 2025

PROJECT TITLE

HERRING COVE  
JUNIOR HIGH  
SCHOOL FINISHES  
UPGRADES

Project Number

SHEET TITLE

FLOOR PLAN -  
UPPER LEVEL PLAN

A102

NOTES: SCOPE AREA 1 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)

- REMOVE EXISTING LOCKERS. DELIVER AND INSTALL NEW OWNER SUPPLIED LOCKERS (LOCATED AT GAETZ BROOK JH GYMNASIUM, MAIN LEVEL). INSTALL OWNER SUPPLIED NUMBER PLATES TO ALL LOCKERS. QTY: 82 UNITS, 4 LOCKERS PER UNIT.
- PROVIDE NEW WALL PAINT (PREP SURFACE AREA FOR NEW PAINT AS REQUIRED). MINIMUM 1 COAT OF PRIMER AND 2 COATS OF PAINT.
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- STRIP WAX FROM EXISTING VCT FLOORING AND REPLACE WITH NEW COAT OF SEALER AND COAT OF WAX FINISH.
- REMOVE RUBBER BASE AND REPLACE WITH NEW PAINTED HARDWOOD BASE WHERE REQUIRED. EXISTING HARDWOOD BASE TO REMAIN AND RECEIVE MATCHING COAT OF PAINT.
- REMOVE EXISTING T-BAR CEILINGS AND REPLACE WITH NEW (SEE REF. CEILING PLANS).
- REMOVE AND REPLACE EXISTING LIGHTING AS WELL AS OTHER ELECTRICAL UPGRADES (SEE ELEC.). PROVIDE FIRE-RATED TROUGH COVER AT EACH LED FIXTURE (SEE DRAWING 2 ON A300).

NOTES: SCOPE AREA 2 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)

- REMOVE RUBBER BASE AND REPLACE WITH NEW PAINTED HARDWOOD BASE WHERE REQUIRED. EXISTING HARDWOOD BASE TO REMAIN AND RECEIVE MATCHING COAT OF PAINT.
- REMOVE EXISTING FLOORING AND REPLACE WITH NEW VCT FLOORING.
- PROVIDE COAT OF SEALER AND COAT OF WAX FINISH TO NEW VCT FLOORING.
- PROVIDE NEW WALL PAINT AT LIBRARY RECEPTION (PREP SURFACE AREA FOR NEW PAINT AS REQUIRED). MINIMUM 1 COAT OF PRIMER AND 2 COATS OF PAINT.

NOTES: SCOPE AREA 3 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)

- PROVIDE NEW WALL PAINT (PREP SURFACE AREA FOR NEW PAINT AS REQUIRED). MINIMUM 1 COAT OF PRIMER AND 2 COATS OF PAINT.
- REMOVE EXISTING DAMAGED HARD TILE FLOORING AS REQUIRED AND REPLACE WITH NEW TO MATCH.
- PROVIDE NEW HARD TILE BASE
- PROVIDE NEW PVC PROTECTION BOARD AND CORNER GUARDS IN INTERIOR OF VESTIBULE.
- REMOVE EXISTING FLOORING IN ELEVATOR CAB AND REPLACE WITH NEW VCT FLOORING.
- PROVIDE COAT OF SEALER AND COAT OF WAX FINISH TO NEW VCT FLOORING IN ELEVATOR CAB

NOTES: SCOPE AREA 4 (SEE SPEC SECTION 00 41 13 PRICE SUBMISSION FORM)

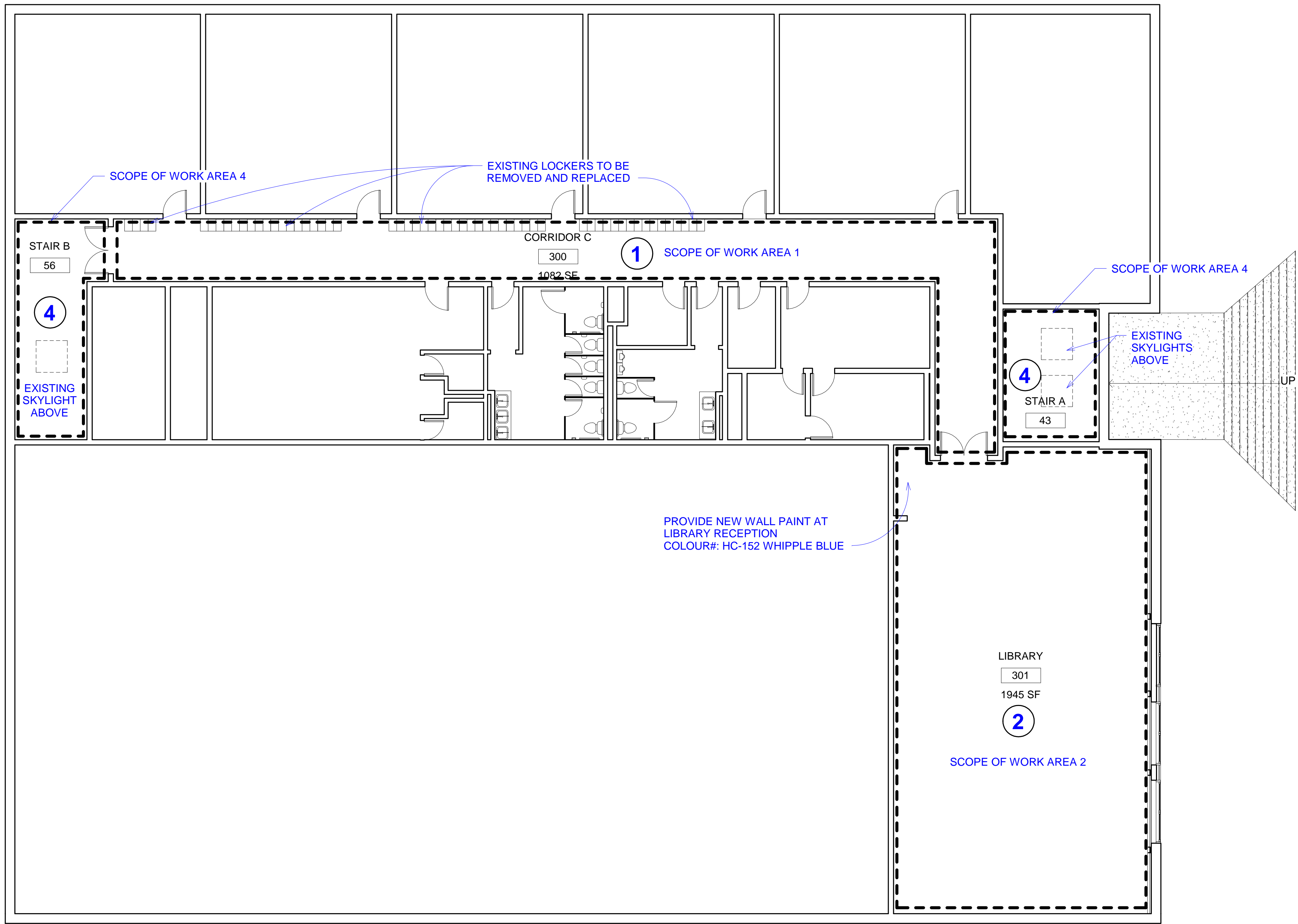
- REMOVE EXISTING CEILING AND REPLACE WITH NEW (SEE REF. CEILING PLANS).
- REMOVE AND REPLACE EXISTING LIGHTING AS WELL AS OTHER ELECTRICAL UPGRADES (SEE ELEC. DRAWINGS).
- PAINT SKYLIGHT WELLS.

ROOM FINISH SCHEDULE

Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish
CAFETERIA	VCT	HW	-	-
CLASSROOM	-	HW	-	ACT
CORRIDOR A	-	HW	PT	ACT
CORRIDOR B	-	HW	PT	ACT
CORRIDOR C	-	HW	PT	ACT
ELEVATOR	VCT	RUBBER	-	-
LIBRARY	VCT	HW	-	-
MUSIC ROOM	VCT	HW	-	-
STAIR A	-	-	-	ACT
STAIR B	-	-	-	ACT
TEACHERS WR	HT	HT	PT	-
VESTIBULE	HT	HT	PVC/PT	-

VCT = VINYL COMPOSITE TILE  
HT = HARD TILE  
HW = PAINTED HARDWOOD  
RUBBER = RUBBER BASE

PT = PAINTED  
PVC = POLYVINYL CHLORIDE  
ACT = ACOUSTIC CEILING TILE



1 UPPER LEVEL KEYPLAN  
1/8" = 1'-0"



KEY PLAN

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REVIEWED BY:

DATE: MAY 12, 2025

PROJECT TITLE

HERRING COVE  
JUNIOR HIGH  
SCHOOL FINISHES  
UPGRADES

Project Number

SHEET TITLE

FLOORING PLANS

A200

SCOPE OF WORK:

- DEMOLITION OF EXISTING FLOORING:** REMOVE ALL EXISTING VCT FLOORING IN ROOMS NOTED (SEE HAZMAT REPORT). REMOVE ALL EXISTING BASEBOARDS UNLESS OTHERWISE NOTED. EXISTING FLOOR ADHESIVE TO REMAIN AS INTACT AS POSSIBLE. FLOORING CONTRACTOR TO COVER EXISTING ADHESIVE WITH FLOOR LEVELER PRIOR TO NEW VCT INSTALLATION.
- INSTALLATION OF NEW FLOORING:** INSTALL NEW VCT FLOORING IN AREAS WHERE EXISTING FLOORING HAS BEEN REMOVED. REMOVE RUBBER BASE AND REPLACE WITH NEW PAINTED HARDWOOD BASE WHERE REQUIRED. EXISTING HARDWOOD BASE TO REMAIN AND RECEIVE MATCHING COAT OF PAINT.
- DUST CONTROL AND CLEANUP:** THE DEMOLITION CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DUST MIGRATION THROUGHOUT THE SCHOOL.
- VERIFICATION OF SQUARE FOOTAGE:** THE SQUARE FOOTAGE FOR NEW FLOORING PROVIDED IS APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND CONFIRM THE AREAS REQUIRED TO COMPLETE THE WORK IN THE DESIGNATED AREAS.

VCT FLOORING:

- COOL WHITE - 51899
- STERLING - 51904
- CHARCOAL - 51915

PROVIDE NEW  
BASEBOARD FOR  
PERIMETER OF ROOM

EXISTING BASEBOARDS  
TO REMAIN FOR  
PERIMETER OF ROOM

SHLUTER NOSING  
PRODUCT NO.

VCT TILE

HARDWOOD BASE

VCT TILE

1 MUSIC ROOM - FLOOR PLAN

A400 1/4" = 1'-0"

3 BAND STAGE DETAIL

A200 6" = 1'-0"

2 CAFETERIA - FLOOR PLAN

1/4" = 1'-0"

KEY PLAN

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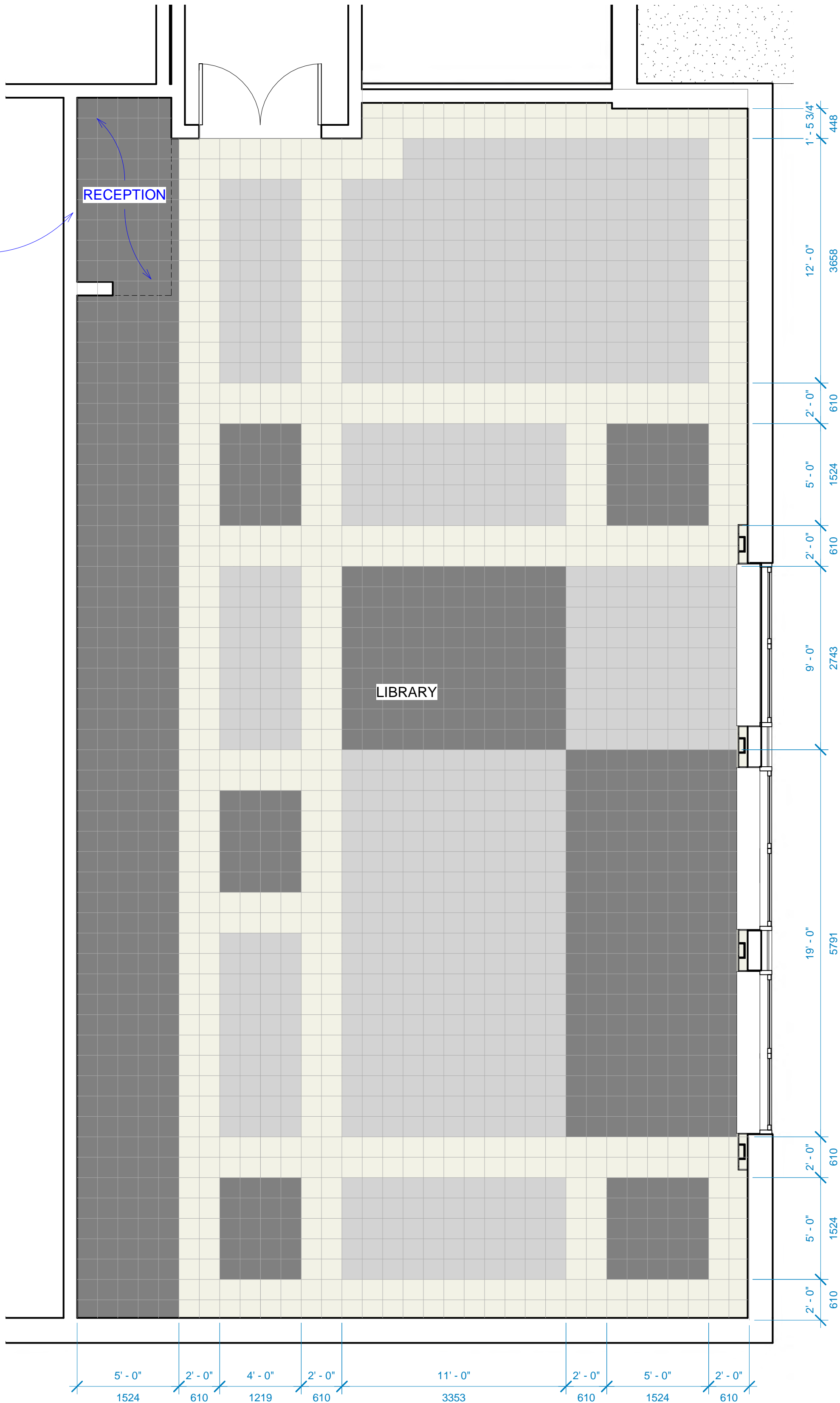
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DRAWN BY:	Author
REVIEWED BY:	
DATE:	MAY 12, 2025
PROJECT TITLE	HERRING COVE JUNIOR HIGH SCHOOL FINISHES UPGRADES

Project Number	
SHEET TITLE	FLOORING PLANS

A201



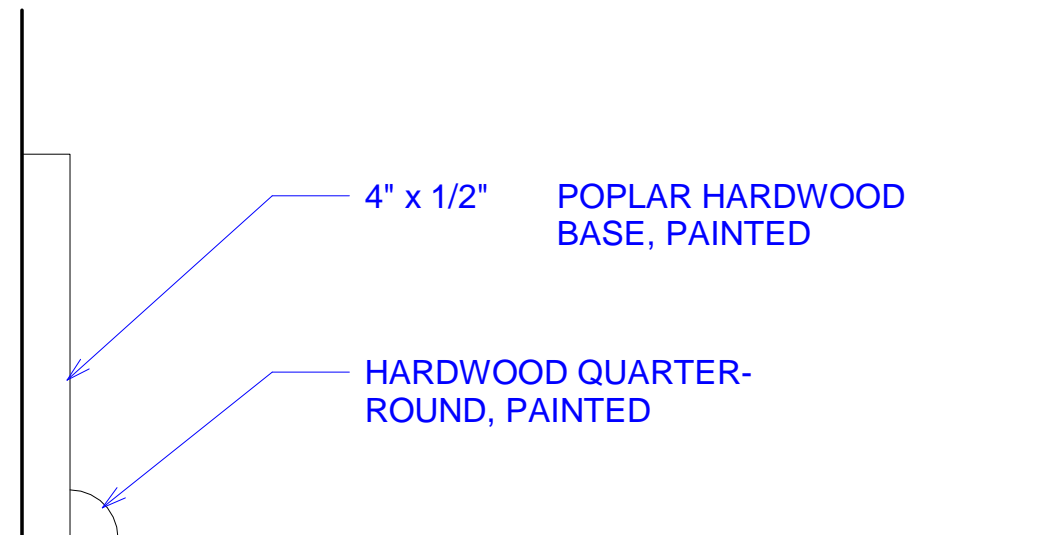
1 LIBRARY - FLOOR PLAN  
1/4" = 1'-0"

SCOPE OF WORK:

- DEMOLITION OF EXISTING FLOORING:** REMOVE ALL EXISTING VCT FLOORING IN ROOMS NOTED (SEE HAZMAT REPORT). REMOVE ALL EXISTING BASEBOARDS UNLESS OTHERWISE NOTED. EXISTING FLOOR ADHESIVE TO REMAIN AS INTACT AS POSSIBLE. FLOORING CONTRACTOR TO COVER EXISTING ADHESIVE WITH FLOOR LEVELER PRIOR TO NEW VCT INSTALLATION.
- INSTALLATION OF NEW FLOORING:** INSTALL NEW VCT FLOORING IN AREAS WHERE EXISTING FLOORING HAS BEEN REMOVED. REMOVE RUBBER BASE AND REPLACE WITH NEW PAINTED HARDWOOD BASE WHERE REQUIRED. EXISTING HARDWOOD BASE TO REMAIN AND RECEIVE MATCHING COAT OF PAINT.
- DUST CONTROL AND CLEANUP:** THE DEMOLITION CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DUST MIGRATION THROUGHOUT THE SCHOOL.
- VERIFICATION OF SQUARE FOOTAGE:** THE SQUARE FOOTAGE FOR NEW FLOORING PROVIDED IS APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND CONFIRM THE AREAS REQUIRED TO COMPLETE THE WORK IN THE DESIGNATED AREAS.

VCT FLOORING:

- COOL WHITE - 51899
- STERLING - 51904
- CHARCOAL - 51915



2 TYP. HARDWOOD BASE  
6" = 1'-0"



KEY PLAN

GENERAL NOTES

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PROJECT TITLE

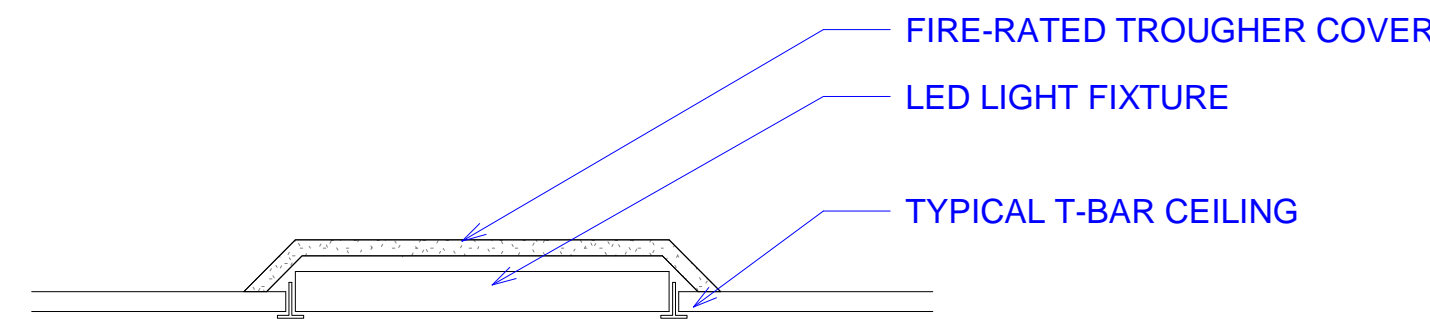
HERRING COVE  
JUNIOR HIGH  
SCHOOL FINISHES  
UPGRADES

Project Number

SHEET TITLE

REFLECTED CEILING  
PLAN - LOWER  
LEVEL PLAN

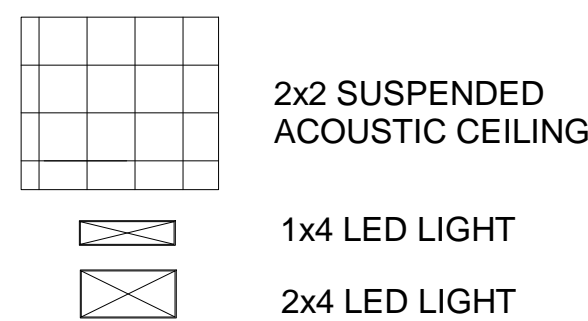
A300



2 TYP. FIRE-RATED TROUGHER COVER DETAIL

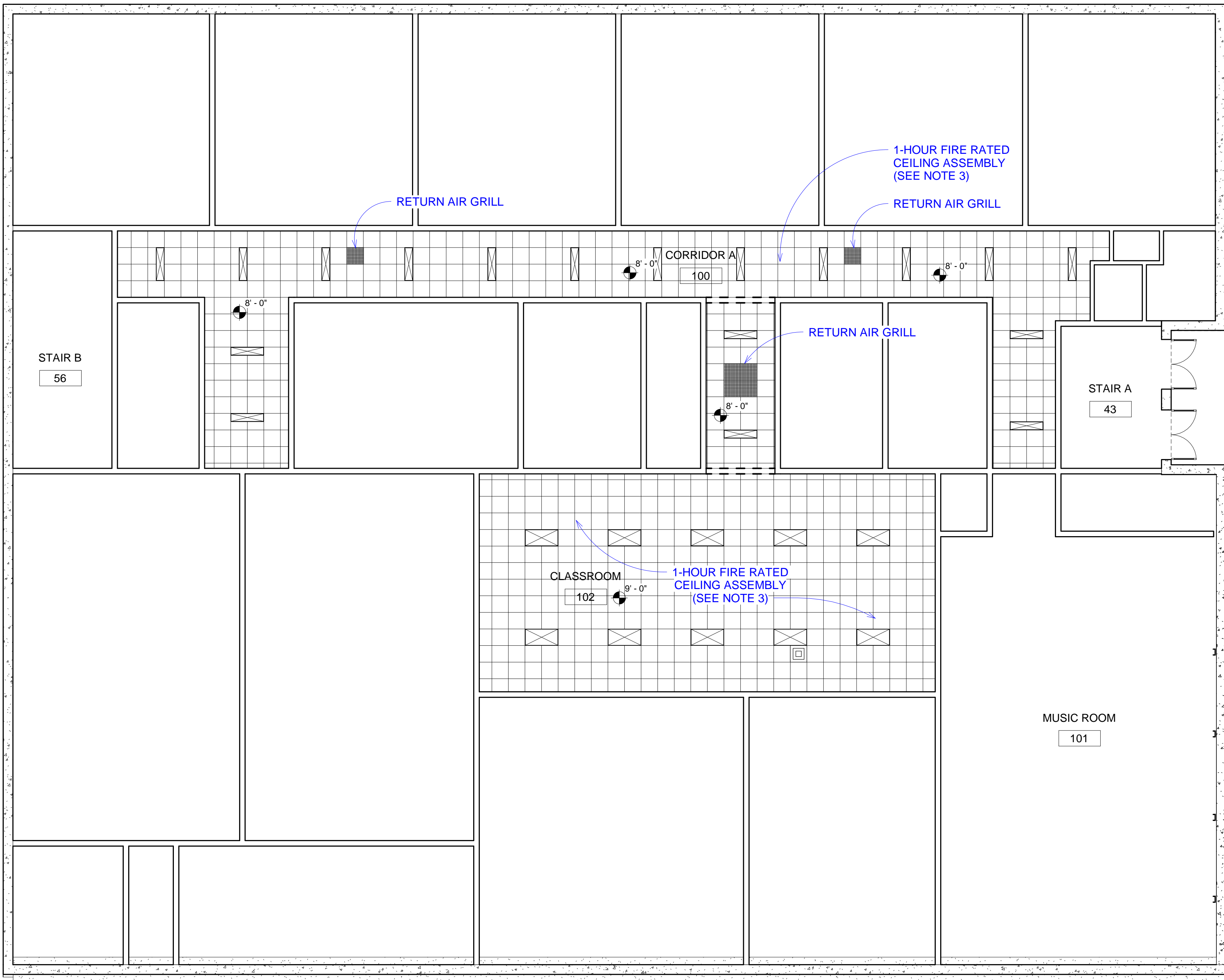
1" = 1'-0"

LEGEND:



SCOPE OF WORK:

- DEMOLITION OF EXISTING CEILINGS:** REMOVE ALL EXISTING SUSPENDED GYPSUM BOARD AND FIBER PANEL CEILING ASSEMBLIES IN THE DESIGNATED CORRIDORS AND ROOMS.
- INSTALLATION OF NEW ACOUSTIC CEILING:** INSTALL A 2x2 SUSPENDED ACOUSTIC TILE CEILING IN AREAS WHERE EXISTING CEILINGS HAVE BEEN REMOVED. PROVIDE NEW DIFFUSERS AND PLENUM GRILLS IN NEW CEILING, LOCATIONS TO MATCH EXISTING.
- CEILING RATINGS:** THE LOWER AND MAIN LEVELS WILL RECEIVE A 1-HOUR RATED ACOUSTIC TILE CEILING AND GRID ASSEMBLY. THE UPPER LEVEL WILL RECEIVE A NON-RATED CEILING AND GRID ASSEMBLY (SEE SPEC).
- LIGHTING FIXTURE REPLACEMENT:** REMOVE ALL EXISTING SURFACE-MOUNTED LIGHTING FIXTURES IN WORK AREAS, AND REPLACE THEM WITH NEW LED RECESSED FIXTURES, TO BE LOCATED AS PER THE REFLECTED CEILING PLANS AND ELECTRICAL PLANS. PROVIDE FIRE-RATED TROUGHER COVER AT EACH LED FIXTURE (SEE DRAWING 2 ON A300).
- REINSTALLATION OF EXISTING DEVICES:** REMOVE AND REINSTALL ALL EXISTING CAMERA, PUBLIC ADDRESS SPEAKERS, AND SIMILAR DEVICES IN THE NEW CEILING ASSEMBLY. SEE ELECTRICAL DRAWINGS.
- EMERGENCY LIGHTING:** REMOVE AND INSTALL NEW EMERGENCY LIGHTING UNITS IN THE CORRIDORS. EXISTING POWER OUTLETS ARE TO REMAIN IN PLACE. THE CONTRACTOR IS TO ALLOW FOR THE INSTALLATION OF 12 NEW EMERGENCY LIGHTING UNITS. SEE ELECTRICAL DRAWINGS.
- DUST CONTROL AND CLEANUP:** THE DEMOLITION CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DUST MIGRATION INTO LOCKERS, CLASSROOMS, AND OTHER ROOMS.
- VERIFICATION OF SQUARE FOOTAGE:** THE SQUARE FOOTAGE FOR NEW SUSPENDED CEILINGS PROVIDED IS APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND CONFIRM THE AREAS REQUIRED TO COMPLETE THE WORK IN THE DESIGNATED AREAS.
- CEILING HEIGHTS:** THE NOTED CEILING HEIGHTS FOR THE NEW SUSPENDED CEILINGS ARE APPROXIMATE. NEW CEILINGS SHALL BE INSTALLED AT THE EXISTING CEILING ELEVATION, AS MEASURED FROM THE FINISHED FLOOR.
- EXIT SIGNS:** EXISTING EXIT SIGNS TO BE REMOVED AND REPLACED WITH NEW (SEE ELEC.).



1 LOWER LEVEL - REFLECTED CEILING PLAN

A400 1/8" = 1'-0"

KEY PLAN

GENERAL NOTES

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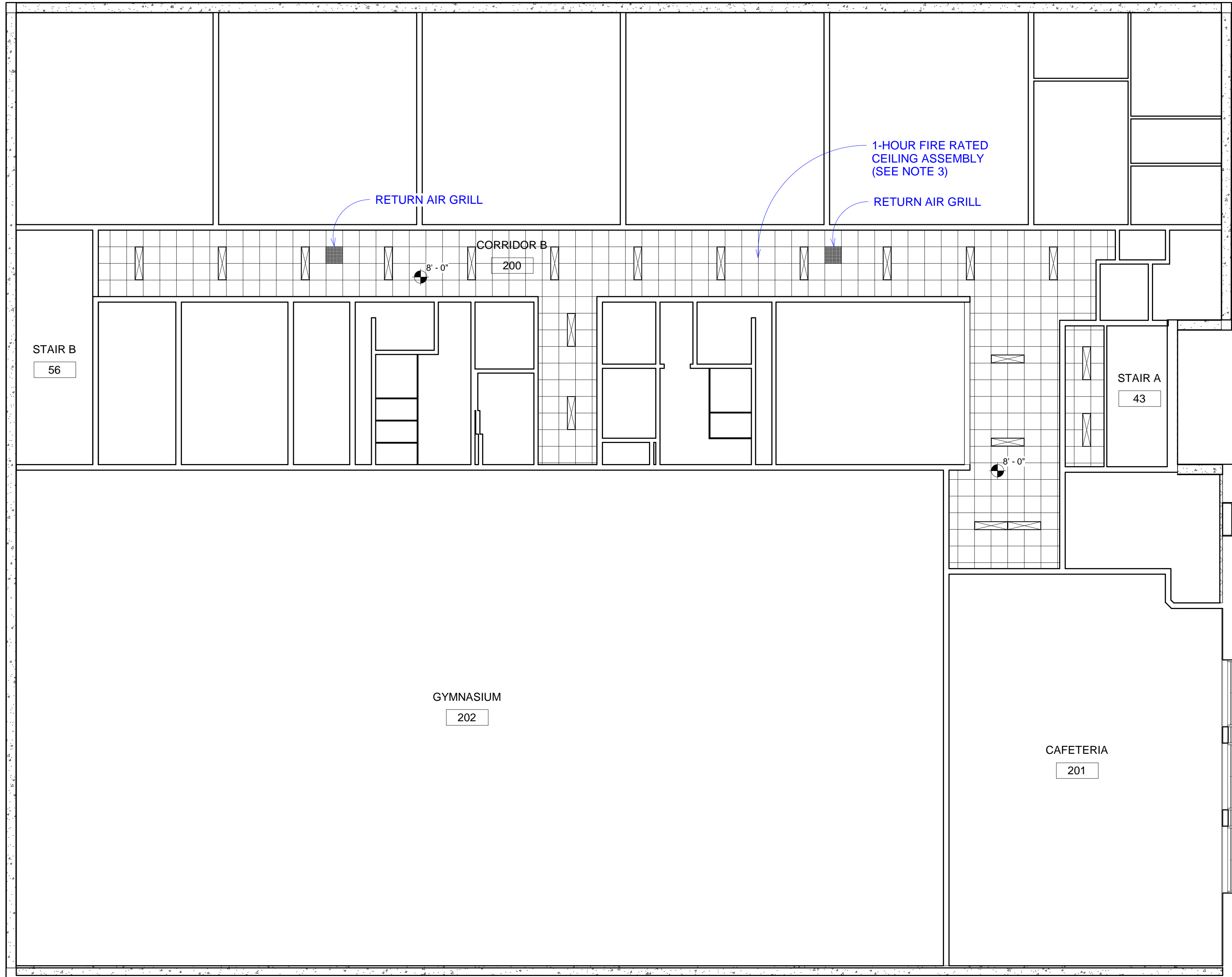
HERRING COVE  
JUNIOR HIGH  
SCHOOL FINISHES  
UPGRADES

Project Number

SHEET TITLE

REFLECTED CEILING  
PLAN - MAIN LEVEL  
PLAN

A301



LEGEND:

- 2x2 SUSPENDED ACOUSTIC CEILING
- 1x4 LED LIGHT
- 2x4 LED LIGHT

SCOPE OF WORK:

- DEMOLITION OF EXISTING CEILINGS:** REMOVE ALL EXISTING SUSPENDED GYPSUM BOARD AND FIBER PANEL CEILING ASSEMBLIES IN THE DESIGNATED CORRIDORS AND ROOMS.
- INSTALLATION OF NEW ACOUSTIC CEILING:** INSTALL A 2x2 SUSPENDED ACOUSTIC TILE CEILING IN AREAS WHERE EXISTING CEILINGS HAVE BEEN REMOVED. PROVIDE NEW DIFFUSERS AND PLENUM GRILLS IN NEW CEILING, LOCATIONS TO MATCH EXISTING.
- CEILING RATINGS:** THE LOWER AND MAIN LEVELS WILL RECEIVE A 1-HOUR RATED ACOUSTIC TILE CEILING AND GRID ASSEMBLY. THE UPPER LEVEL WILL RECEIVE A NON-RATED CEILING AND GRID ASSEMBLY (SEE SPEC).
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- EMERGENCY LIGHTING:** REMOVE AND INSTALL NEW EMERGENCY LIGHTING UNITS IN THE CORRIDORS. EXISTING POWER OUTLETS ARE TO REMAIN IN PLACE. THE CONTRACTOR IS TO ALLOW FOR THE INSTALLATION OF 12 NEW EMERGENCY LIGHTING UNITS. SEE ELECTRICAL DRAWINGS.
- DUST CONTROL AND CLEANUP:** THE DEMOLITION CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DUST MIGRATION INTO LOCKERS, CLASSROOMS, AND OTHER ROOMS.
- VERIFICATION OF SQUARE FOOTAGE:** THE SQUARE FOOTAGE FOR NEW SUSPENDED CEILINGS PROVIDED IS APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND CONFIRM THE AREAS REQUIRED TO COMPLETE THE WORK IN THE DESIGNATED AREAS.
- CEILING HEIGHTS:** THE NOTED CEILING HEIGHTS FOR THE NEW SUSPENDED CEILINGS ARE APPROXIMATE. NEW CEILINGS SHALL BE INSTALLED AT THE EXISTING CEILING ELEVATION, AS MEASURED FROM THE FINISHED FLOOR.
- EXIT SIGNS:** EXISTING EXIT SIGNS TO BE REMOVED AND REPLACED WITH NEW (SEE ELEC.).

1

MAIN LEVEL - REFLECTED CEILING PLAN

1/8" = 1'-0"



KEY PLAN

GENERAL NOTES

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IF DIMENSION DOES NOT MEASURE 1" DRAWING IS NOT PRINTED TO SCALE

DATE	#	ISSUE
MAY 12, 2025	1	FOR TENDER



SCALE: As indicated

DRAWN BY: Author

REVIEWED BY:

DATE: MAY 12, 2025

PROJECT TITLE

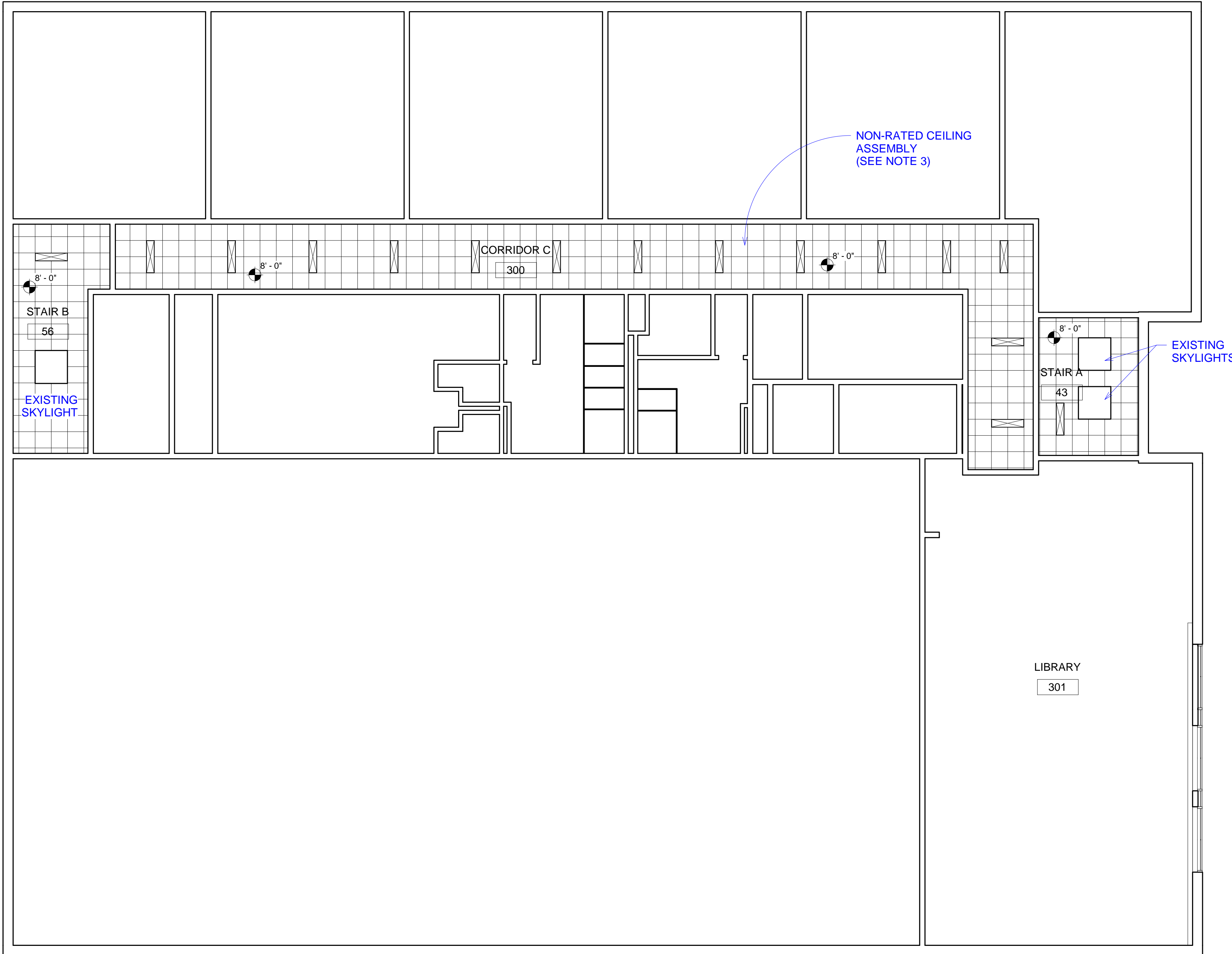
HERRING COVE  
JUNIOR HIGH  
SCHOOL FINISHES  
UPGRADES

Project Number

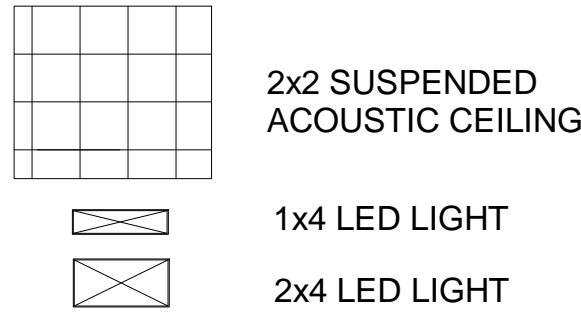
SHEET TITLE

REFLECTED CEILING  
PLAN - UPPER  
LEVEL PLAN

A302



LEGEND:



SCOPE OF WORK:

- DEMOLITION OF EXISTING CEILINGS:** REMOVE ALL EXISTING SUSPENDED GYPSUM BOARD AND FIBER PANEL CEILING ASSEMBLIES IN THE DESIGNATED CORRIDORS AND ROOMS.
- INSTALLATION OF NEW ACOUSTIC CEILING:** INSTALL A 2x2 SUSPENDED ACOUSTIC TILE CEILING IN AREAS WHERE EXISTING CEILINGS HAVE BEEN REMOVED. PROVIDE NEW DIFFUSERS AND PLENUM GRILLS IN NEW CEILING, LOCATIONS TO MATCH EXISTING.
- CEILING RATINGS:** THE LOWER AND MAIN LEVELS WILL RECEIVE A 1-HOUR RATED ACOUSTIC TILE CEILING AND GRID ASSEMBLY. THE UPPER LEVEL WILL RECEIVE A NON-RATED CEILING AND GRID ASSEMBLY (SEE SPEC).
- LIGHTING FIXTURE REPLACEMENT:** REMOVE ALL EXISTING SURFACE-MOUNTED LIGHTING FIXTURES IN WORK AREAS, AND REPLACE THEM WITH NEW LED RECESSED FIXTURES, TO BE LOCATED AS PER THE REFLECTED CEILING PLANS AND ELECTRICAL PLANS. . PROVIDE FIRE-RATED TROUGH COVER AT EACH LED FIXTURE (SEE DRAWING 2 ON A300).
- REINSTALLATION OF EXISTING DEVICES:** REMOVE AND REINSTALL ALL EXISTING CAMERA, PUBLIC ADDRESS SPEAKERS, AND SIMILAR DEVICES IN THE NEW CEILING ASSEMBLY. SEE ELECTRICAL DRAWINGS.
- EMERGENCY LIGHTING:** REMOVE AND INSTALL NEW EMERGENCY LIGHTING UNITS IN THE CORRIDORS. EXISTING POWER OUTLETS ARE TO REMAIN IN PLACE. THE CONTRACTOR IS TO ALLOW FOR THE INSTALLATION OF 12 NEW EMERGENCY LIGHTING UNITS. SEE ELECTRICAL DRAWINGS.
- DUST CONTROL AND CLEANUP:** THE DEMOLITION CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DUST MIGRATION INTO LOCKERS, CLASSROOMS, AND OTHER ROOMS.
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- CEILING HEIGHTS:** THE NOTED CEILING HEIGHTS FOR THE NEW SUSPENDED CEILINGS ARE APPROXIMATE. NEW CEILINGS SHALL BE INSTALLED AT THE EXISTING CEILING ELEVATION, AS MEASURED FROM THE FINISHED FLOOR.
- EXIT SIGNS:** EXISTING EXIT SIGNS TO BE REMOVED AND REPLACED WITH NEW (SEE ELEC.).

1 UPPER LEVEL - REFLECTED CEILING PLAN  
1/8" = 1'-0"

KEY PLAN

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SCALE: As indicated

DRAWN BY: Author

REVIEWED BY:

DATE: MAY 12, 2025

PROJECT TITLE

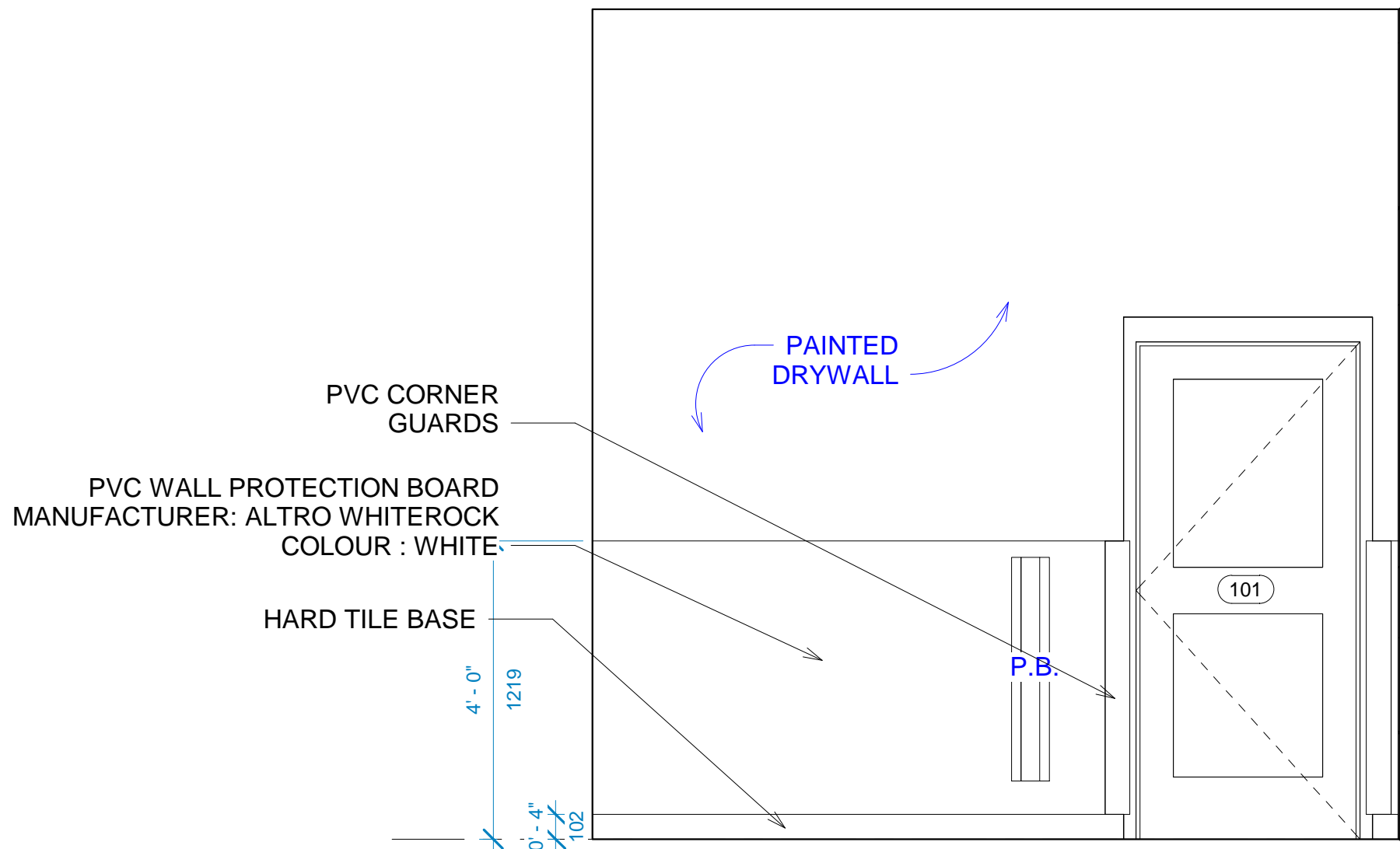
HERRING COVE  
JUNIOR HIGH  
SCHOOL FINISHES  
UPGRADES

Project Number

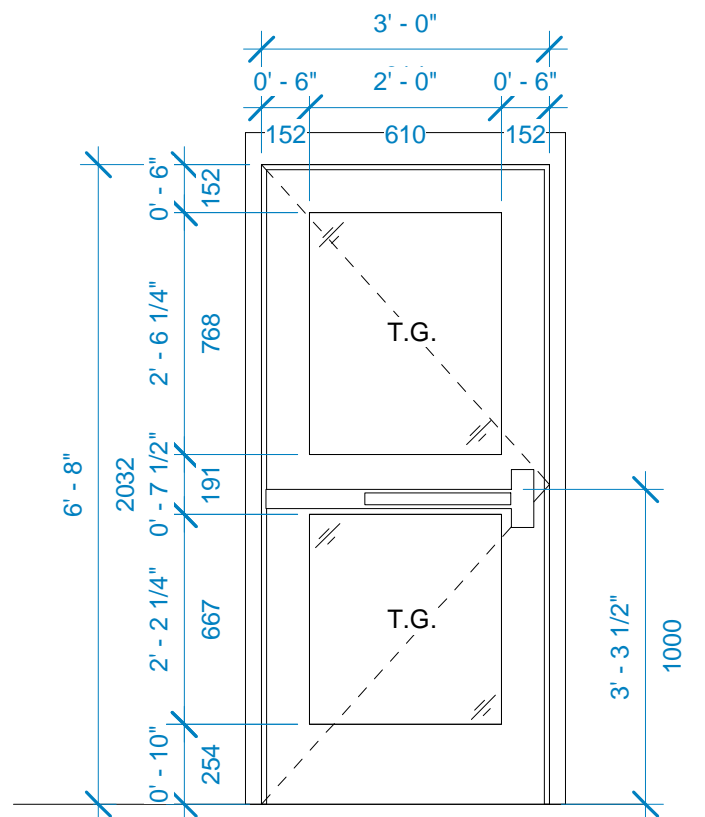
SHEET TITLE

ACCESSIBLE  
ENTRANCE  
UPGRADES

A400



4 INTERIOR ELEVATION  
A400 1/2" = 1'-0"



DOOR 101

INSULATED HOLLOW METAL DOOR, PAINTED, IN EXISTING PRESSED STEEL FRAME

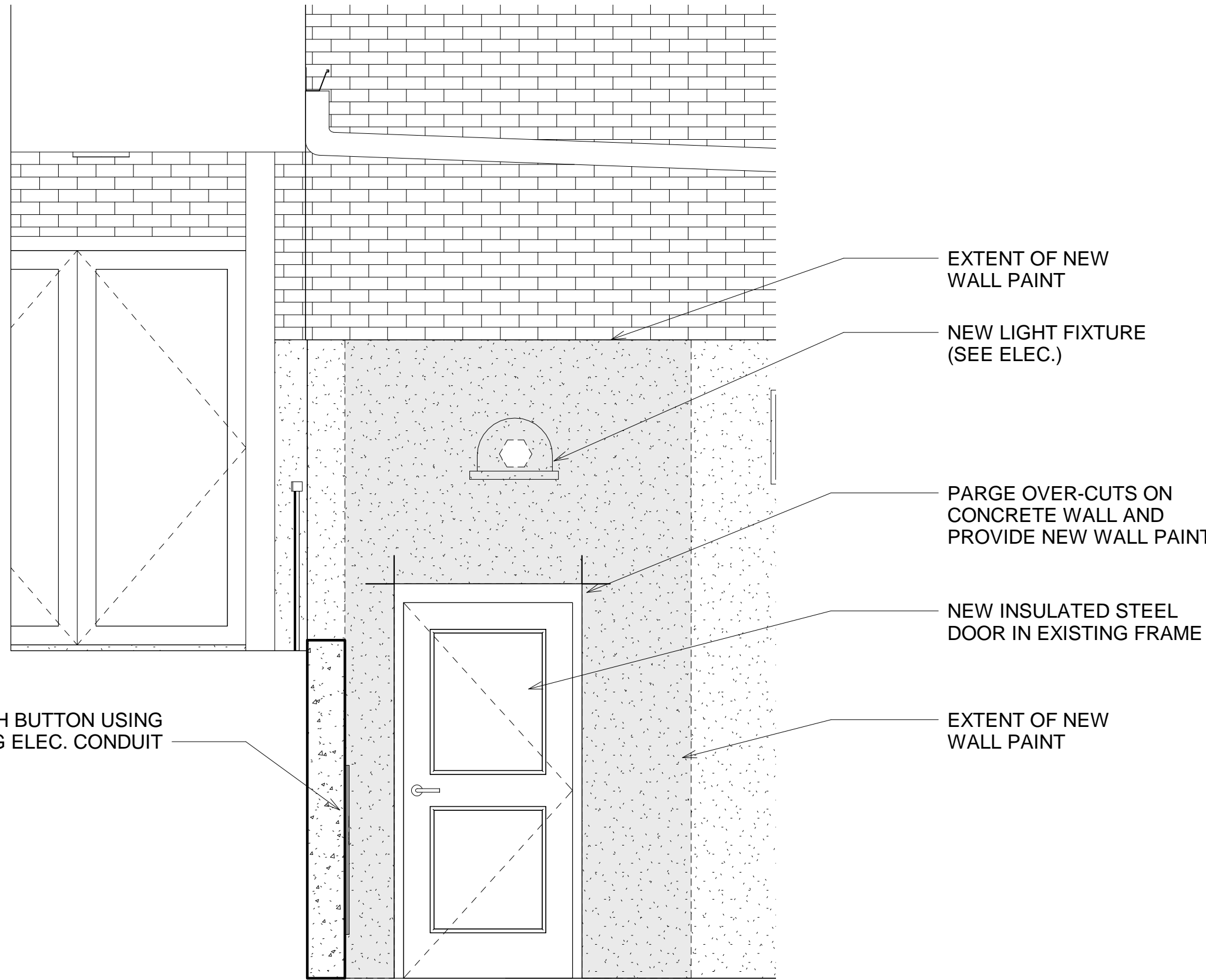
\* CONTRACTOR TO VERIFY HEIGHT AND WIDTH OF EXISTING DOOR

ROOM FINISH SCHEDULE

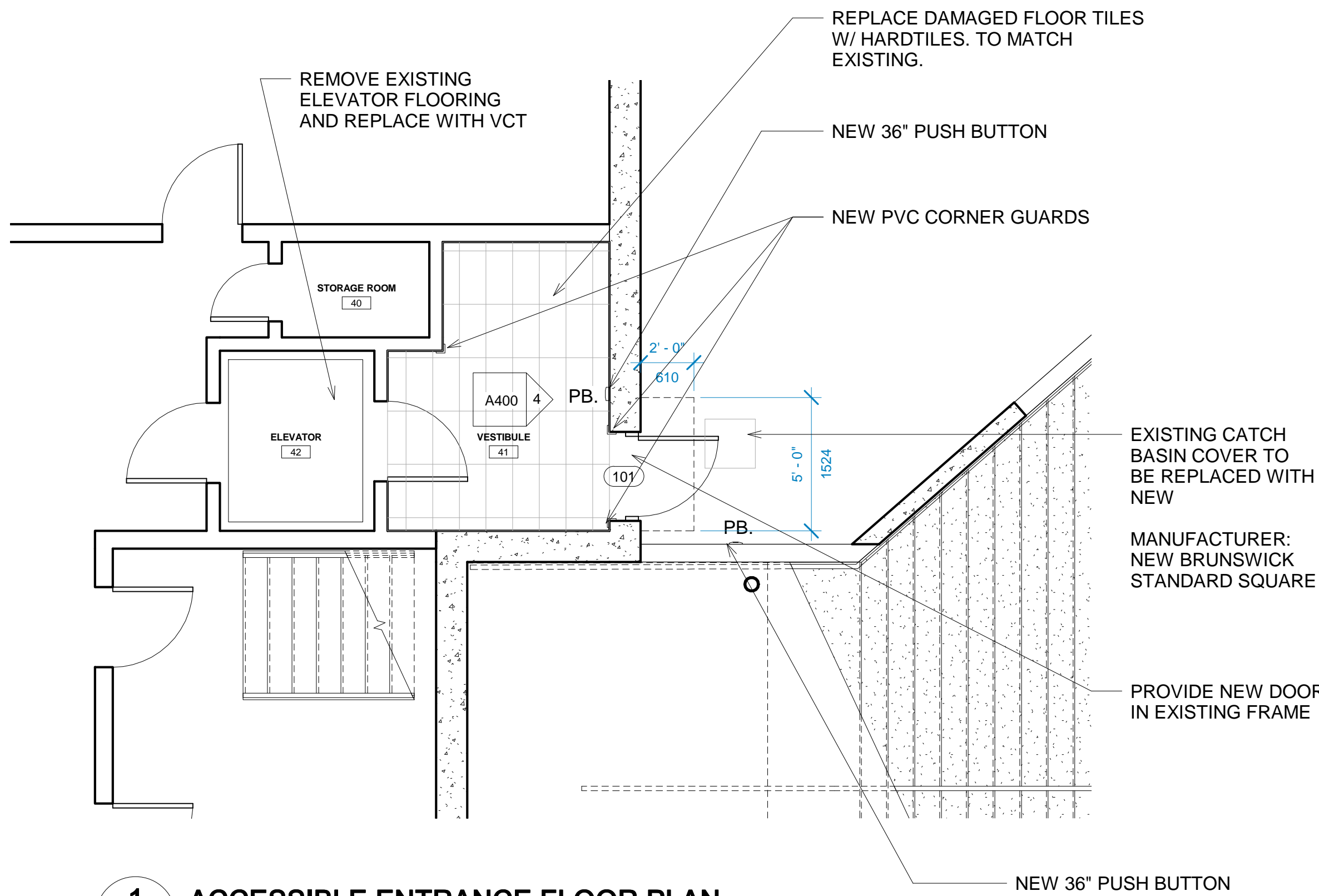
Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish
CAFETERIA	VCT	HW	-	-
CLASSROOM	-	HW	-	ACT
CORRIDOR A	-	HW	PT	ACT
CORRIDOR B	-	HW	PT	ACT
CORRIDOR C	-	HW	PT	ACT
ELEVATOR	VCT	RUBBER	-	-
LIBRARY	VCT	HW	-	-
MUSIC ROOM	VCT	HW	-	-
STAIR A	-	-	-	ACT
STAIR B	-	-	-	ACT
TEACHERS WR	HT	HT	PT	-
VESTIBULE	HT	HT	PVC/PT	-

VCT == VINYL COMPOSITE TILE  
HT == HARD TILE  
HW == PAINTED HARDWOOD  
RUBBER == RUBBER BASE

PT == PAINTED  
PVC == POLYVINYL CHLORIDE  
ACT == ACOUSTIC CEILING TILE



2 ACCESSIBLE ENTRANCE ELEVATION  
1/2" = 1'-0"



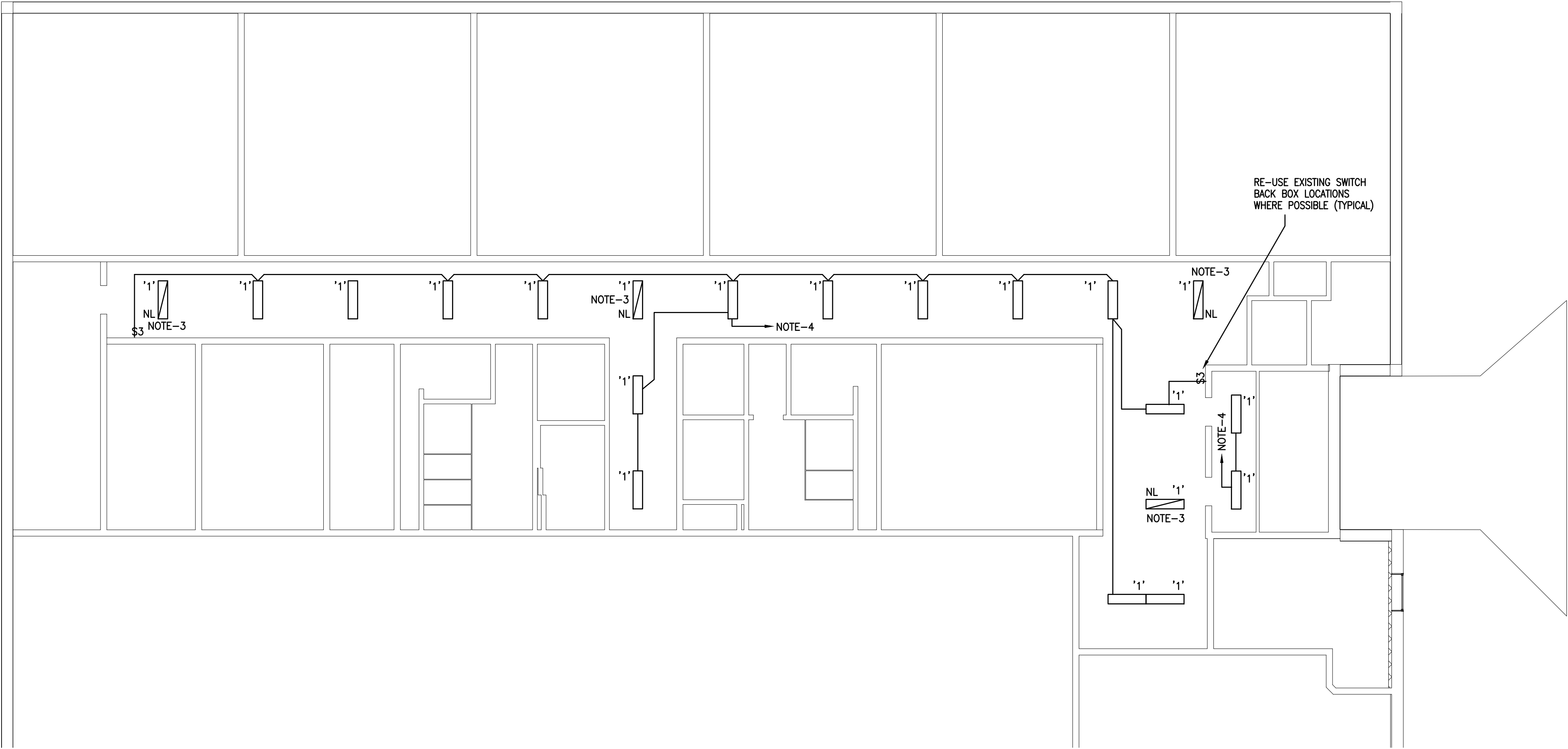
1 ACCESSIBLE ENTRANCE FLOOR PLAN  
A400 1/4" = 1'-0"



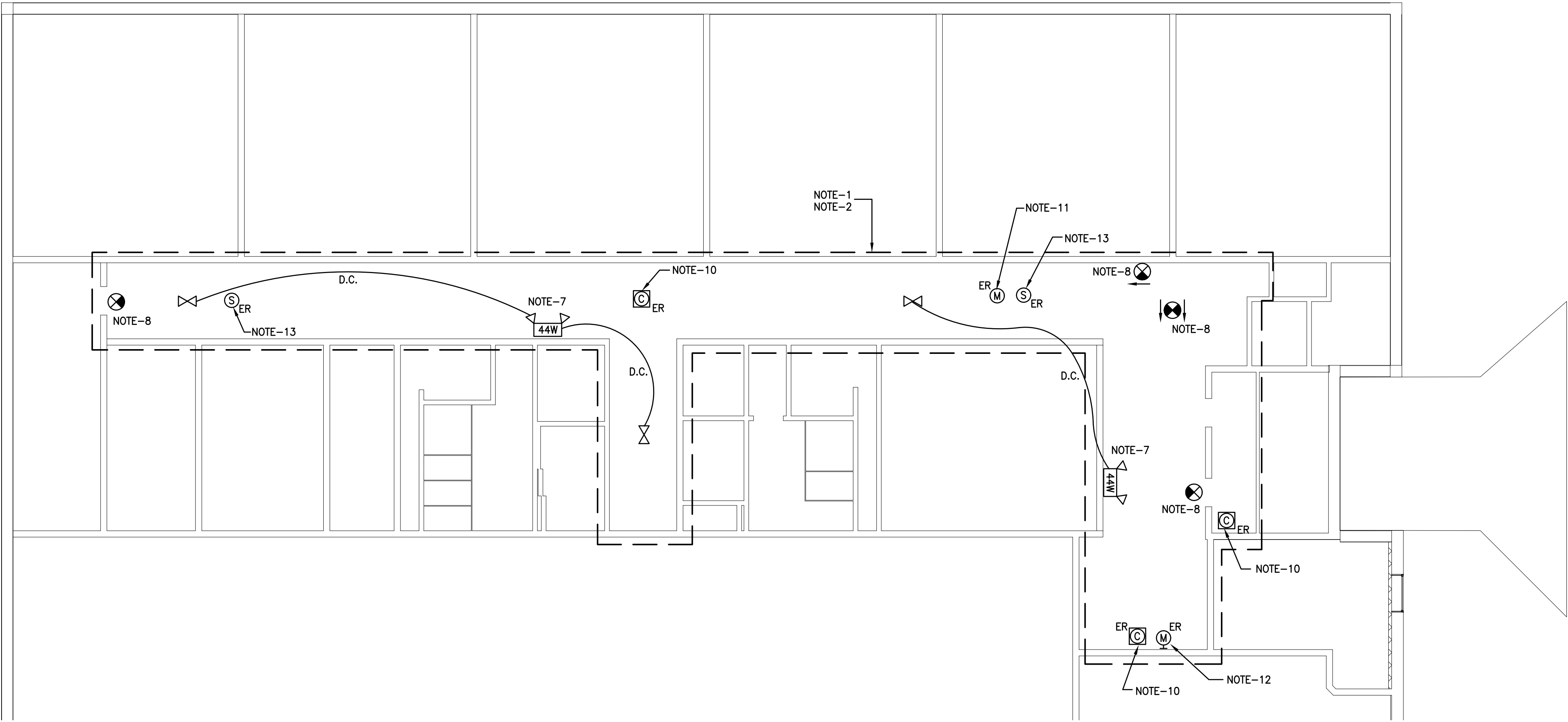








1 MAIN LEVEL FLOOR PLAN – ELECTRICAL  
E-102 SCALE 1/8"=1'-0"



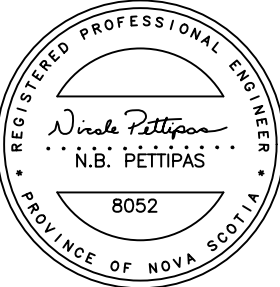
2 MAIN LEVEL FLOOR PLAN – ELECTRICAL  
E-102 SCALE 1/8"=1'-0"

KEY PLAN

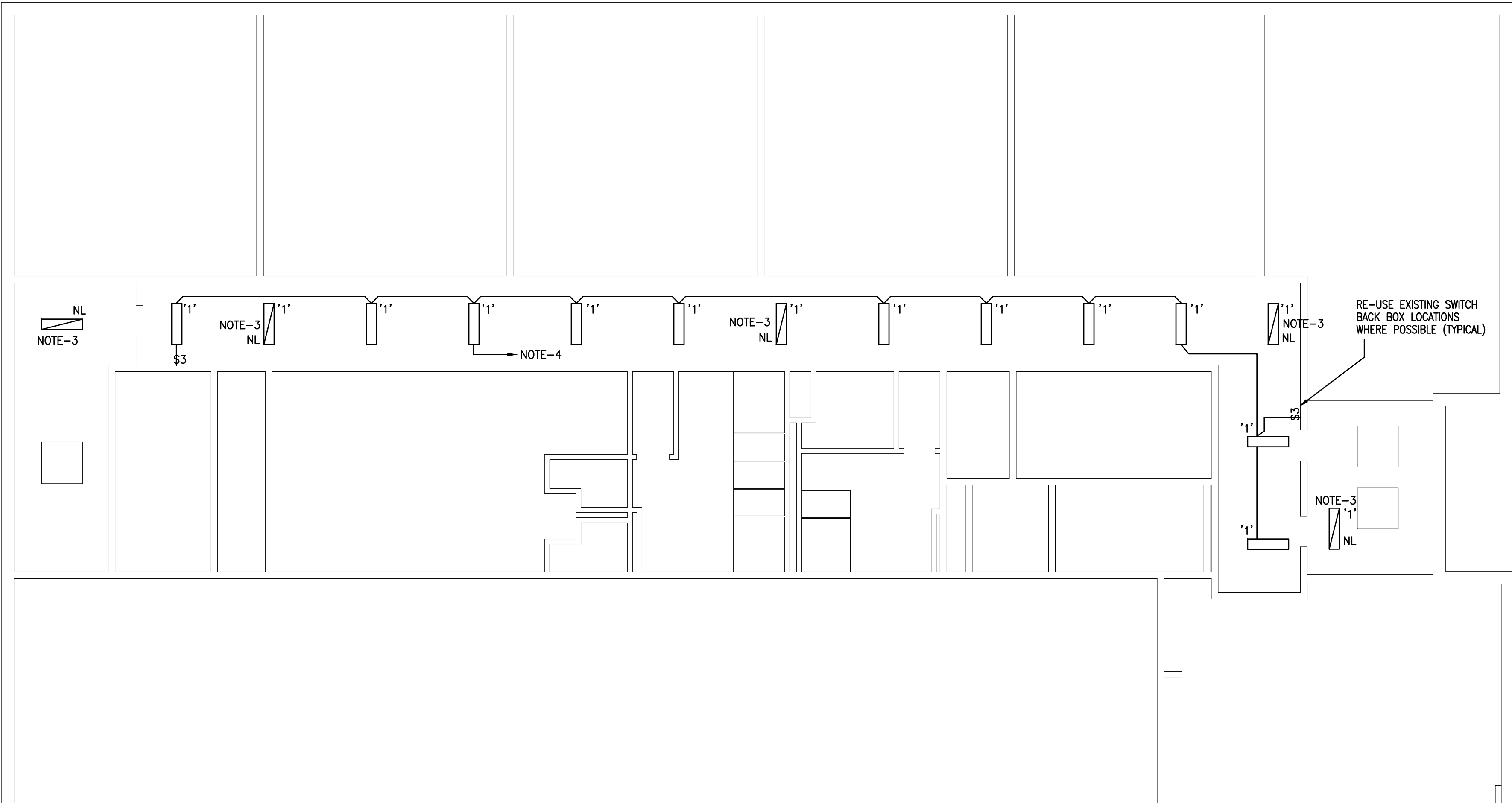
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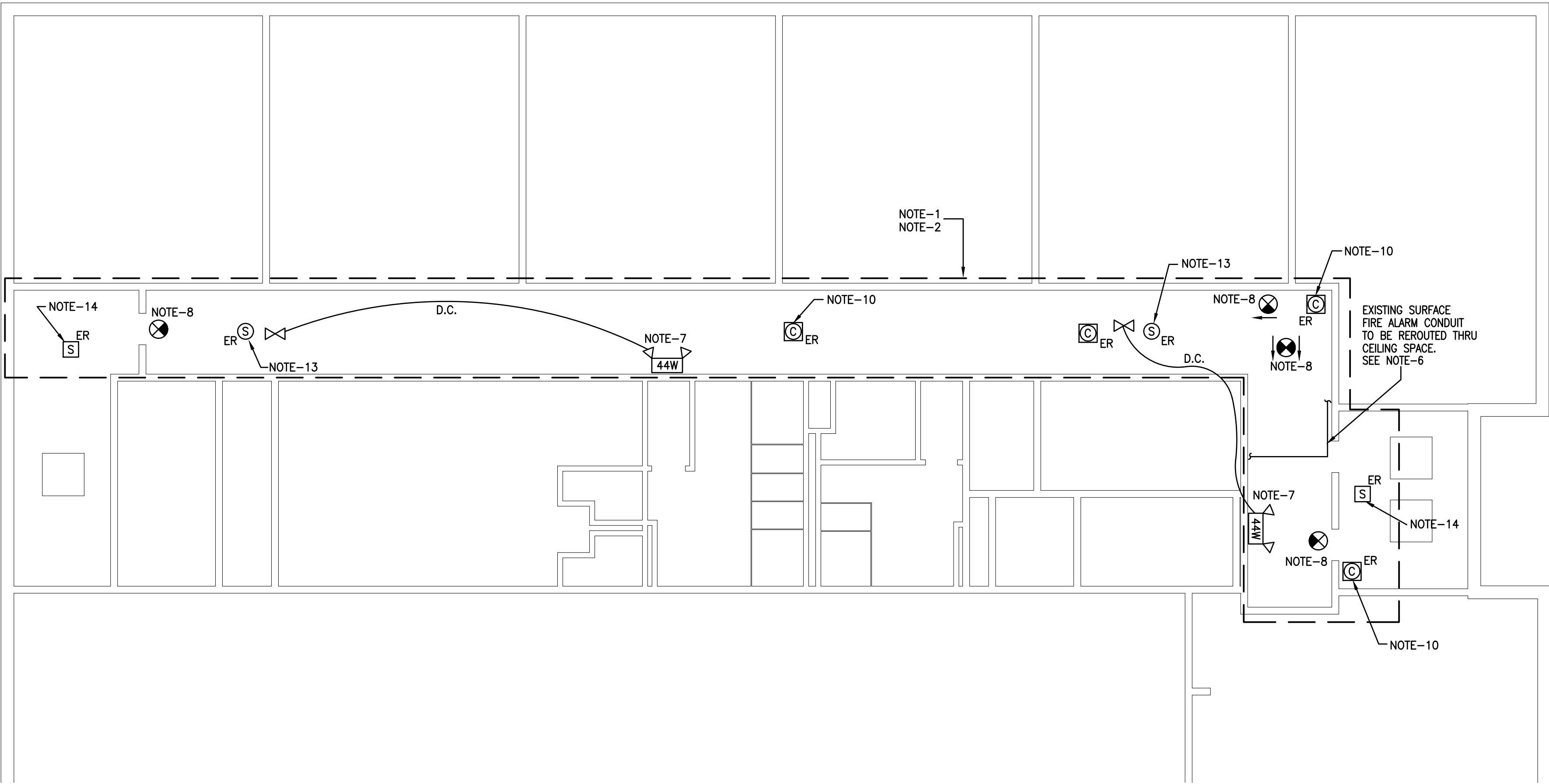
DATE	#	ISSUE
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SCALE:	As indicated
DRAWN BY:	JPZ
REVIEWED BY:	JPZ/NBP
DATE:	May 09, 2025
PROJECT TITLE	HERRING COVE JUNIOR HIGH SCHOOL FINISHES UPGRADES
Project Number	
SHEET TITLE	MAIN LEVEL PLANS ELECTRICAL



1 UPPER LEVEL FLOOR PLAN – LIGHTING  
E-103 SCALE 1/8"=1'-0"



2 UPPER LEVEL FLOOR PLAN – ELECTRICAL  
E-103 SCALE 1/8"=1'-0"

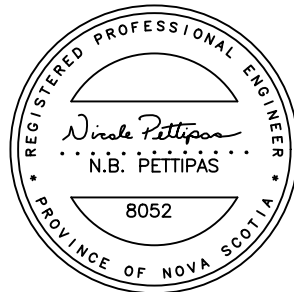
REFER TO ELECTRICAL NOTES  
ON DRAWING E-101

KEY PLAN

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REVIEWED BY: JPZ/NBP  
DATE: May 09, 2025  
PROJECT TITLE  
HERRING COVE  
JUNIOR HIGH  
SCHOOL FINISHES  
UPGRADES

Project Number

SHEET TITLE

UPPER LEVEL PLANS  
ELECTRICAL

E-103

Halifax Regional  
Centre for Education  
***Hot Work Policy***

2018-19 School Year

Rev. 1

*Hot Work Permit Follows This Document*

## **Introduction**

Hot work comes in a variety of applications each with its own heat source severity. All hot work is a fire hazard that left unmanaged will create high probability conditions for injury and/or property loss. Under the right conditions, hot work heat sources with the lowest temperature ratings can ignite products that seem most difficult to burn.

A hot work management system is required to reduce the risk of hot work causing personal injury and fire or other property damage. The following information is intended to establish the programs and processes designed to manage this risk.

## **Definition**

Hot work is ***any temporary or permanent operation involving open flames or producing heat and/or sparks***. This includes but is not limited to: brazing, cutting, grinding, soldering, torch applied roofing and welding. The definition of hot work can be applied to activities within a facility such as periodic/planned maintenance activities, new construction work and emergency repairs.

Hot work may only be conducted on HRCE premises if authorized by designated Operations Services personnel and only after the following conditions are verified:

1. No other suitable non-hot work means can be found to produce the desired result;
2. No other safe location can be found to do the hot work; and
3. The designated/trained person(s) involved with authorizing and conducting the hot work have complied with all hot work permitting process requirements, including all precautions and required follow-up actions

All employees assigned to perform hot work on HRCE premises will receive the necessary education to be able to accept responsibility for safe, loss-free hot work operations.

## **Hot Work Management Process**

Hot Work Management contains three components:

1. Avoid Hot Work where possible;
2. Prohibit Hot Work where it can not be conducted safely;
3. Conduct Hot Work in areas containing hazards by:
  - relocating the hot work
  - manage hot work by using the hot work permit system described below.

**1) Avoid hot work when possible.** Consider all alternative methods to hot work. Some alternative methods include:

- Mechanical removal and relocation of frozen piping to a heated area vs. thawing of piping in place with any form of hot work.
- Manual hydraulic shears vs. saw/torch cutting.
- Mechanical bolting vs. welding.
- Screwed or flanged pipe vs. sweat soldering.
- Reciprocating saw vs. radial saw.
- A roof covering system that does not require a hot work process.

**2) Prohibit hot work in areas where hot work cannot be conducted** safely under any conditions or where extensive preparation and planning are required to make the area and/or equipment involved fire safe. When these conditions exist, the area and/or equipment involved will be designated as a “No Hot Work Area”. Examples of a “No Hot Work Area” include:

- Areas/equipment that contain/handle flammable liquids, flammable gases, combustible dusts, combustible metals and explosives
- Partitions, walls, ceilings or roofs with combustible plastic covering or cores (i.e., expanded plastic insulation, sandwich panels)
- Rubber lined equipment.
- Oxygen enriched atmosphere.
- Storage and handling of oxidizer materials.

Within HRCE schools and worksites, “No Hot Work Areas” include:

- Chemical storage rooms (unless and until all chemicals have been removed from the room);
- Cleaning products storage rooms (unless and until all chemicals have been removed from the room);
- Partitions, walls, ceilings or roofs with combustible plastic covering or cores;

**3) When hot work must be conducted in areas or on equipment containing hazardous processes as described above, follow the specific precautions outlined below.**

Hot work conducted outside of a designated, fixed hot work station will be managed using a **formal hot work permit system**. Within HRCE, hot work is defined as either “**minor hot work**” or “**major hot work**”, each of which requires a different level of permit and mitigation methods.

**Minor Hot Work** is defined as hot work which has a low risk of causing injury, fire or property damage because of the method of hot work, tools and equipment used and the materials in or near the hot work area. Designated workers can issue their own permit for conduct of minor hot work.

The hazard assessment on the hot work permit will be used to determine if the work is minor hot work. In most cases, the worker is his/her own “fire watch”. The fire watch is maintained until the material being worked on is cool to the touch at which time an inspection of the work area and adjacent areas is conducted by the worker. While not normally required, the worker may re-inspect the work area or have another employee re-inspect the work area after a period of time if they feel a re-inspection is warranted.

**Major Hot Work** is defined as hot work where there is a moderate to high risk of injury, fire or property damage because of the method of hot work, tools and equipment used and the materials in or near the hot work area. Workers must be issued a hot work permit by their immediate Supervisor in order to complete major hot work.

The hazard assessment on the hot work permit will be used to determine if the work is major hot work. During major hot work, a fire watch will be posted to give continuous surveillance of the work area. Also, a continuous fire watch will be conducted for the length of time noted on the permit after the work is complete. A re-inspection will occur by the worker or another designated employee at the time indicated on the permit.

### **Hot Work Permit Process**

The following is a step-by-step description of the Hot Work Permit process:

- The worker assigned the task of conducting hot work must complete the hazard assessment which forms the first part of the hot work permit.
- The worker determines if the work is “minor hot work” or “major hot work”. If it is minor hot work, they issue a permit to complete the work. If it is “major hot work”, they will request their immediate Supervisor issue the permit.
- The hot work permit is posted in a visible place within the work area. HRCE employees and supervisors in the area are informed about the hot work activity and the need to support the implemented precautions for this hazardous operation.
- While the hot work proceeds, the fire watch maintains a constant vigil (even during employees breaks and meal times) to maintain the hot work area in a fire-safe condition, keeps watch for any stray sparks, smoldering fires, or other fire hazards, and is ready to provide the initial fire response.
- **Once the work is completed, the fire watch remains in the area for the designated period, as noted: For minor hot work, until material is cool to the touch and area inspected; For major hot work the fire watch remains in place as indicated on the permit. The fire watch must then conduct an inspection, carefully inspecting the work and the adjacent**

**areas for smoldering fires. This inspection extends to floors above and below the work and adjacent rooms.**

- When work is completed the permit is removed and must be retained as a record of the work.

### **Fire Watch for “Major Hot Work”**

The fire watch should be assigned and initiated when the hot work permit is issued, and this function should be maintained throughout the hot work operation including break/lunch and for the period noted on the permit, continuously following the completion of hot work. A fire watch should be posted and maintained in the immediate area of the hot work and in any adjacent areas that may be exposed by this operation.

The fire watch has responsibility to make sure the hot work area is maintained in a fire-safe condition throughout this work and has the authority to stop the hot work if unsafe conditions are observed. This person must understand the basic hazards of any combustible construction involved with the hot work area, the fire exposure hazard hot work creates to occupancies adjacent to and below the hot work operation, the hazards associated with the occupancy, and the need to maintain proper isolation of all hot work operations from combustible or flammable materials. The fire watch also must be properly trained in use of manual, portable fire extinguishers and emergency notification procedures within the school/worksite.

### **Second Fire Watches**

For any hot work operations on a building roof or adjacent to building walls where a combustible occupancy exists within the structure or the building has any combustible construction, a second fire watch should be posted in the exposed adjacent areas.

For roof level hot work, a second fire watch should be posted on the floor immediately below for roof hot work. Where suspended ceilings are present between the building occupancy and the underside of the structural roof, this space should be inspected periodically during the hot work operation.

Hot work conducted on any building floors and walls or adjacent to building walls with unprotected openings where a combustible occupancy or construction exists on the opposite side, should include assignment of a second fire watch on the opposite side of the wall. This same approach should apply when hot work is conducted on pipe/building shafts, HVAC ductwork, etc.

## **Fire Prevention Measures**

Based on the Hot Work Permit System, implement hot work fire prevention precautions as follows for **minor hot work**:

- Maintain automatic sprinkler protection and other fixed fire protection systems in service and fully operational.
- Provide manual firefighting equipment appropriate for the construction/occupancy hazards in the hot work area.
- Maintain hot work equipment in good repair.
- Separate hot work operations from combustibles using fire resistive blankets or screens to properly isolate the hot work from the adjacent combustible materials.
- The following fire safety precautions listed on the Hot Work Permit apply to the surface area within 35 ft (11 m) of the hot work. The major purpose is to isolate fuels from sparks. Within this area:
  - a) Sweep floors clean, removing any spilled grease or oil
  - b) Remove any flammable materials (wood, cardboard, etc) or liquids (paints, oils and lacquers) from the hot work area.
  - c) Protect combustibles that cannot be moved with fire resistive tarpaulins or metal shields
- Hot work is prohibited on partitions, walls, ceilings or roofs with combustible plastic coverings or cores (i.e., expanded plastic insulation, sandwich panels).
- Schedule hot work during shutdown periods if possible.

Based on the Hot Work Permit System, implement hot work fire prevention precautions as follows for **major hot work**:

- Maintain automatic sprinkler protection and other fixed fire protection systems in service and fully operational.
- Provide manual firefighting equipment appropriate for the construction/occupancy hazards in the hot work area.
- Maintain hot work equipment in good repair.
- Separate hot work operations from combustibles by a minimum of 35 ft (11 m) of open space from grade level hot work areas. An alternative is to use proper fire resistive welding blankets and screens to properly isolate the hot work from the adjacent combustible occupancies.
- The following fire safety precautions listed on the Hot Work Permit apply to the surface area within 35 ft (11 m) of the hot work. The major purpose is to isolate fuels from sparks. Within this area:
  - a) Sweep floors clean, removing any spilled grease or oil. Cover floors made of combustible material (i.e., boards on joist, plank on steel, wood block) with fire-resistant tarpaulins or other noncombustible material.
  - b) Remove any flammable liquids (paints, oils and lacquers) from the hot work area.



- c) Protect combustibles that cannot be moved with fire resistive tarpaulins or metal shields. This includes all storage or machinery with grease or lint deposits. Hot work blankets used to cover combustible materials or construction that cannot be relocated from the hot work area should always be “tented”.
  - d) Cover all wall and floor openings. Plug floor openings with an approved fire stop material. Seal ductwork and duct openings with metal covers or cover them with fire-resistive tarpaulins. Close all doors and fire doors to prevent sparks from escaping.
- Either eliminate explosive atmospheres (dust or vapor) or prohibit the hot work. Shut down any process that produces explosive atmospheres, and continuously monitor the area for accumulation of combustible gases before, during and after hot work. Prohibit hot work where accumulations of volatiles or combustibles are severe and cannot be eliminated.
- Prohibit hot work on partitions, walls, ceilings or roofs with combustible plastic coverings or cores (i.e., expanded plastic insulation, sandwich panels).
- Schedule hot work during shutdown periods if possible.
- Secure, isolate and vent pressurized vessels, piping and equipment as needed prior to initiating hot work. Clean combustible and/or flammable liquids, gases and solids whenever present within the equipment, prior to initiating hot work.
- For hot work on vessels or boilers, use only contractors who are qualified by a nationally or internationally recognized boiler and pressure vessel code.
- Assign a designated fire watch to the hot work operation before this work is started. Maintain a continuous fire watch during the hot work activity, throughout all break and lunch periods, and for at least one hour following the completion of the hot work. Beyond this, monitor the area for up to an additional 3 hours, depending on local conditions.
- Avoid hot work of any kind in areas handling, **processing or storing flammable liquids or gases**. Hot work provides an ignition source in an area where fuel is available in significant quantities and in a readily ignitable form. Ideally, relocate any hot work operation within a flammable liquid or gas occupancy to a non-hazardous location. When relocation is not possible, the following additional precautions should be implemented:
  - a) Drain all equipment or piping in the area of flammable and combustible liquids.
  - b) Steam clean equipment or pipe to be worked on or provide with an inert atmosphere, to prevent creation of a flammable atmosphere.
  - c) Shut off pipe supplying the area with flammable and combustible liquids off at the source (valve should be locked shut to prevent unexpected opening). If the piping is to be worked on, blank if off.

- d) Check equipment or piping with a portable oxygen analyzer before and during the hot work. This is to ensure that sufficient oxygen to support combustion is not present inside the equipment or piping.
- e) Protect all permanent storage tanks or piping (that cannot be moved or drained) against physical contact and heat from hot work equipment. Preferably all equipment that is within reach of the hot work equipment (grinder, welding rod holder, cutting torch, etc.) will be drained, purged and made inert. If this is not possible due to the quantities of flammable liquids involved, provide physical protection for closed flammable liquid equipment by placing welding curtains and temporary barriers between the equipment and the hot work. Carefully review the area to ensure that no vents or other opening are near the hot work that could allow fumes to come into contact with any sparks or hot surfaces.
- f) Keep mechanical exhaust ventilation in the room/building in operation.
- g) Use a portable combustible gas analyzer before and during the work. If any detectable readings are obtained, then work cannot begin or continue until the source is found and suitably mitigated such that the concentration is maintained below 10% of the LFL.

### **Alternative to the 35 ft (11 m) Rule**

An alternative to the 35 ft (11 m) rule is to physically isolate the hot work operation from adjacent combustible occupancies or construction using properly fire rated hot work shields and/or blankets. “Boxing” the hot work operation can be accomplished through vertically suspending hot work shields or blankets around the hot work extended at least 15 ft (4.6 m) above the highest elevation of the hot work or to the bottom of a solid/smooth ceiling/roof and extending to floor.

When “boxing” is used in buildings with structural members that create an open space between the top of the member and the floor or roof above, this space should be sealed to prevent liberation of sparks/spatter/slag through the open space. The lower elevation of the “boxing” materials should overlap onto the floor at least 6 in. (152 mm) and this layer should be constructed of a noncombustible, fire resistive hot work blanket material. The process of “boxing” the hot work hazard requires a proper understanding of the limitations of the hot work shields or blankets being used.

Hot work shields or screens should be used only as vertical barriers for hot work operations. Where these shields or screens are required to extend onto the floor in the hot work area, the bottom 2 ft (0.6 m) of the screen should be constructed of noncombustible hot work blanket material. ***Hot work shields or screens are typically constructed of translucent plastic materials that are combustible and will fail under extended exposure to severe hot work in positions other than a vertical position.***

Where severe hot work (torch cutting, arc stick welding) will be conducted and the area beneath this activity needs to be protected against the hot work, hot work pads should be provided.

### **Elevated Hot Work**

For elevated hot work, combustible materials should be either relocated a minimum of 50 ft (15.2 m) from the hot work area; or properly protected with fire retardant welding blankets; or the hot work operation isolated with welding screens. Suspend fire-resistive welding blankets under hot work conducted near the ceiling. Place noncombustible screens around hot work at the floor to trap sparks. Every elevated hot work operation needs to be evaluated on a case-by-case basis to determine a reasonable safe distance from hot work to combustible occupancies or construction. The physical conditions involved may dictate relocation of combustibles beyond 50 ft (15.2 m).

### **Outside Contractors**

Many hot work operations are performed by outside contractors; these include cutting, welding, joint soldering, paint removal, roofing, etc. When outside contractors are involved, the risk of fire may increase simply because contractors may not understand the hazards at the school/worksites.

Contractors working for HRCE, and conducting hot work, must have their own Hot Work Permit/Management System that provides equal or greater risk mitigation than those methods and procedures mention herein.

Contractors must inform HRCE when hot work will be conducted at any of our schools/worksites.

# HOT WORK PERMIT

## STOP!

**Avoid hot work when possible! Consider using an alternative cold work method.**

This Hot Work Permit is required for any temporary operation involving open flames or producing heat and/or sparks conducted outside a Hot Work Designated Area. This includes, but is not limited to: brazing, cutting, grinding, soldering, torch-applied roofing and welding.

### Instructions for Permit Authorizer

1. Specify the precautions to take.
2. Fill out and keep **Part 1** during the hot work process.
3. Issue **Part 2** to the person doing the job.
4. Keep **Part 2** on file for future reference, including signed confirmation that the post-work fire watch and monitoring have been completed.
5. Sign off the final check on **Part 2**.

#### HOT WORK BY

- ☐ Employee  
☐ Contractor \_\_\_\_\_

DATE

JOB NUMBER

LOCATION OF WORK (BUILDING/FLOOR/OBJECT)

WORK TO BE PERFORMED

NAME OF PERSON PERFORMING HOT WORK

NAME OF PERSON PERFORMING FIRE WATCH

**I verify the above location has been examined, the Required Precautions have been taken, and permission is authorized for this work.**

PERMIT AUTHORIZER (PRINT AND SIGN)

**THIS PERMIT EXPIRES ON (LIMIT AUTHORIZATION TO ONE SHIFT):**

DATE:

TIME:

AM/PM

**Note:** Emergency notification on back of form.

#### Additional FM Global Resources:

Property Loss Prevention Data Sheet 10-3, *Hot Work Management*  
Hot Work Permit App via [fmglobal.com/apps](http://fmglobal.com/apps)  
Hot Work Permit form (F2630) via [fmglobalcatalog.com](http://fmglobalcatalog.com)  
Online training at [training.fmglobal.com](http://training.fmglobal.com)  
FM Approved equipment via [fmapprovals.com](http://fmapprovals.com)

### Part 1

Y NA

### Required Precautions

- ☐ ☐ The fire pump is in operation and switched to automatic.  
☐ ☐ Control valves to water supply for sprinkler system are open.  
☐ Extinguishers are in service/operable.  
☐ Hot work equipment is in good working condition.

#### Requirements within 35 ft. (10 m) of hot work

- ☐ ☐ Shield combustible construction using listed (e.g., FM Approved) welding pads, blankets and curtains.  
☐ ☐ Remove or shield nonremovable combustibles using listed (e.g., FM Approved) welding pads, blankets and curtains.  
☐ ☐ Isolate potential sources of flammable gas, ignitable liquid or combustible dust/lint (e.g., shut down equipment).  
☐ ☐ Remove ignitable liquid, combustible dust/lint and combustible residues.  
☐ ☐ Shut down ventilation and conveying systems.  
☐ ☐ Remove combustibles and consider a second fire watch on opposite side of floor, wall, ceiling or roof when openings exist or thermally conductive materials pass through.  
☐ ☐ Is work on a combustible building assembly (e.g., Torch-Applied Roofing)? If yes, provide **ADDITIONAL REQUIRED PRECAUTIONS** below.

#### Hot work on/in closed equipment, ductwork or piping

- ☐ ☐ Isolate equipment from service.  
☐ ☐ Remove ignitable liquid and purge flammable gas/vapor.  
☐ ☐ Prior to work, and/or during work, monitor for flammable gas/vapor. LEL reading(s): \_\_\_\_\_  
☐ ☐ Remove combustible dust/lint or other combustible materials.  
☐ ☐ Is work on/in equipment with nonremovable combustible linings or parts? If yes, provide **ADDITIONAL REQUIRED PRECAUTIONS** below.

#### Fire watch/fire monitoring the hot work area

Times listed are sufficient for majority. Use Table at back of permit for guidance for combustible concealed cavities, roof work or favorable factors.

- ☐ Perform a continuous fire watch during hot work.  
☐ Perform a continuous fire watch post-work for  
☐ 1 hour or Other \_\_\_\_ hours.  
☐ ☐ Perform fire monitoring for  
☐ 3 hours or Other \_\_\_\_ hours.

#### ADDITIONAL REQUIRED PRECAUTIONS:

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**Halifax**  
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